



09/417, 522

RECEIVED

SEQUENCE LISTING

<110> Nehls, Michael
Zambrowicz, Brian
Sands, Arthur T.

<120> NOVEL HUMAN POLYNUCLEOTIDES AND THE
POLYPEPTIDES ENCODED THEREBY

Attachment
9

<130> 8535-0027-999

<140> US 09/417,522

<141> 1999-10-13

<150> US 60/104,292

<151> 1998-10-14

<160> 503

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 40

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

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tggctaggcc ccaggatagg cctcgctggc cttttttttt

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<210> 2

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 2

gccatggctc cggtaggtcc agag

24

<210> 3

<211> 19

<212> DNA

<213> Rattus norvegicus

<400> 3

tggctaggcc ccaggatag

19

<210> 4

<211> 19

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic sequence

<400> 4

gtccagagat ggccatagc

19

<210> 5
 <211> 18
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic sequence

<400> 5
 ccaggatagg cctcgctg 18

<210> 6
 <211> 23
 <212> DNA
 <213> Bacteria Phage Lambda

<400> 6
 tacagttttt cttgtgaaga ttg 23

<210> 7
 <211> 19
 <212> DNA
 <213> Bacteria Phage Lambda

<400> 7
 gggtagtccc caccttttg 19

<210> 8
 <211> 20
 <212> DNA
 <213> Mus musculus

<400> 8
 tccaagtcct ggcattctcac 20

<210> 9
 <211> 277
 <212> DNA
 <213> Homo sapiens

<400> 9
 gtgtttgtgct gatgcaggag acaaccgcga agatggggac agaattcagta acatcgacgt 60
 aagggaattg aagcagaaga tcacgctgcc tgcagacacc aggaaacgcc aagaccccc 120
 ttccacgaac caacattctt ccacctctc caactttttt ctggaacccc ttcacttcca 180
 accgccactc aatgtacact tcactttctc gtgctcttcc taagagagta gtgttttctt 240
 cctccccacc gagaaaaaaa ataaaagcaa caactgg 277

<210> 10
 <211> 434
 <212> DNA
 <213> Homo sapiens

<400> 10
 cgtcatgttc ctgcaaagag aaaaataagg aaaaaatctg caaaacattg aagactcatg 60
 acccacttta aaaacataac tggatacatc acatgaactc aagaccatga ctatggagga 120
 agatttaaca cttggcaact cttacaacaa caacaacagc aacagggaaa aacaacaaca 180
 acaacaaccg aagagtgcaa aaagaactaa tgcattctct aggtaagcct ggatggagcc 240
 tctaagacct aacaggatgt ctgagattcc aggggaagtgg cctgtgatct gtcagtaaac 300
 aaataagaag ctaatacagc tttgttgtgt tttctgattg gcatggttct tgaactatct 360
 cctacttgta gttgcagaca aagaaacagg agatgaatta ccatgttcta ggactttgtg 420
 ttcctttcca attc 434

<210> 11

<211> 407
 <212> DNA
 <213> Homo sapiens

<400> 11
 gttcacaaca gtgttatggc gggagcaggg aggcacctac atccattgga cccatcctga 60
 cagctgggaa ggatgtgtcc agccaccag ggatgtgcat ctggcaccga cctcacaaca 120
 gctgtttctaa ccacgtaaga agcacaaggg tcaccgggta ctctccatga gaacaaaagg 180
 ccaaggatgc agagataatt gcatcaaagg gattcaactt cctggatgac ctcattccaa 240
 agatctgcag agcccagata agcatcccag ggttctggca gagggcccct ccagggacag 300
 gaaggggaca ggaagccggc ttcccggtgc tgtaccgctt tccttgggaa ggataggaca 360
 cctgtggcca tcaagtcatt atgccccatc tttctgaaac gaaaaca 407

<210> 12
 <211> 200
 <212> DNA
 <213> Homo sapiens

<400> 12
 gaggagaact ggtggcttta taagaagagg aagagagacc aaagcatagc atgtcagcat 60
 gcccagtgcc ctctccacgc tataccctgt gccacctcca gacacttcag agaccaggaa 120
 taaggccctc accagaagtgc cccctcctca cttggacttc ctatcctcca tggtgtgaag 180
 gaataaattc cttttctttc 200

<210> 13
 <211> 128
 <212> DNA
 <213> Homo sapiens

<400> 13
 atgaaggaaa agagggagaa gaaaccagct gcctggaaga ctgaccctct gagatgctct 60
 ggagccgtgc agttgttctc actggcagat cagtccgtgc cctccaataa aagagagggg 120
 gatcttgg 128

<210> 14
 <211> 142
 <212> DNA
 <213> Homo sapiens

<400> 14
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 tgtactgctt ggaggagagc taccctggag catttgctcc agattctgca tgagcaaaaa 120
 ataaactttt gctgcataaa gt 142

<210> 15
 <211> 149
 <212> DNA
 <213> Homo sapiens

<400> 15
 acacttaatc tgggtgttcct gaggtgacc tattggaata tcttgctgaa gaccacgtat 60
 acaagatgtg aacattcatc attatgaggc tgaatgtaaa atacttcatt ttataatgaa 120
 gaaagtcagt aaaacaattt ccagcccag 149

<210> 16
 <211> 166
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1) ... (166)
 <223> n = A,T,C or G

```

<400> 16
gaagaagaan ctncctcnn catgagaccg ctgtggggat ctggcactgt ggttcctgna 60
tgcaaacant ggtctggncg tgcctgggcn gacaataccc ctttccgtgt cncgggaaan 120
gcccncctta aaaaaactga ngnggttgaa aaaccagtaa accctc 166

<210> 17
<211> 113
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(113)
<223> n = A,T,C or G

<400> 17
accctgatna ngagaccagc tgaggcgaat tatgagtcaa ctaaaattat ccaaaagatc 60
atcttaccgt aaagtagttg ctgaatgtac acgaaatgtt tagaaattaa att 113

<210> 18
<211> 250
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(250)
<223> n = A,T,C or G

<400> 18
cttctnctga agaatgagaa cacttgccag ccctttgcct atgttatcac ctggaataaa 60
ctggatgtgt ctnaatggaa cctgcctcct ttggggagcg catactcccg ccagggtcacc 120
acagccacca tgaccacctc atgcctccca tccacctgtt tcattaattt gtgcctggac 180
cattttcagt tttctggatg acatgggtga ggaggaggaa actcaggtaa atgataaagt 240
ttcgactatc 250

<210> 19
<211> 387
<212> DNA
<213> Homo sapiens

<400> 19
aagacagctg aatgggtcca gtctttcagt cctgctcctg gccaaactg gacctctcaa 60
agtctagcca actcctcttc cagcgccctg ataaacaacc ccctcatgct gggaaccaca 120
gcagtgggct gtttttctcc ctcatgcacc ccaggaagcc tctcctcttt gcctgggctt 180
tcttcccaag gccttagctg ccaacccatt ttacacccat gcgaagccca gtcagtcacc 240
tgaagaaaag gagactcaca gaaggcccaa gatgaaagac tctttaatcc tgtggctttt 300
tgagttttgt ttttagcagg aagaccttat tttcaaaaaca aattgttaca cagaatttgc 360
cagtttacag aacagatgaa taaagac 387

<210> 20
<211> 216
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(216)
<223> n = A,T,C or G

<400> 20
gcctaactgn tncaggagtg tctgcttgca tggacaccat tgtggaaacc ttcctccgca 60
cctgtgccag gctcttgtgg atgccatcaa caaacccctc tgacacctct gacggggagca 120

```



```

tgtgaataac accgaataat cacaacaaat cctcctcatc ataaagcctt gcgngggactg 180
gcactcgcaa atatttaaat aantattaaa acactg 216

<210> 21
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(541)
<223> n = A,T,C or G

<400> 21
ngtaatnnag gnggangccc cctggtgagg gaactgacca gcagactcca gcagctgtgg 60
gaaaactcta ctgatgacag gcaagaagcc agactgctca gacctagagc tataaggaaa 120
cctgagtaag ctcgggatga agttatcccc aatcaaccca ccagggtgatt ctgaagccaa 180
taatttggtc cttggaagtt tgtgctgtat ggaaaaaaat cacccttctt ggctgacatc 240
tgttttgctg gtaacacaaa tgcaacttat taatcatctc tgggtaagca agaaatgtaa 300
tcctgaaaat ggcttacaag agaaaatctt ggaagataag accgtaacac taaaacgcct 360
ctccagatgc cttaggaaca tccccaagca gtaacagata aagtcacctc ataggattct 420
tggttatgtt taagtgttctc atagaaaaaa ataaaataac naaacncnaa aaaaaaaagg 480
gcccgngggg ccaattcagn ttggaacttaa ccaggctgaa ctngttaaaa aggggggggg 540
g 541

<210> 22
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(492)
<223> n = A,T,C or G

<400> 22
gacgtctggg gagctcctgc nntaagtnaa acnngagggt ttngtnngcc cccagnaaan 60
nngantcggc canacccnaa aaaatcccan ctcaccaag agatgacacg tgacctggtg 120
ggcctcacc caggcataca gctttcccag ctagcaaaca aacaagccct ggtcacagcg 180
ggtatagctg gctcatggtc gctcacagac actctgggca tgcattcccg tgacttanaa 240
aagaggaggc ctttggaacc tgccagtgtc gtctgctgat tgtgagggtg ctggaacctg 300
gggccccatg gccctccac accagcatgg tgctctgcaa aggccagctg ctcttcaccc 360
tgtctcaatg atacacagtt tttttcccca aaactttagt agcgccactc tccctatcac 420
tcgtctttta attttgcccc ttattgntcc ttanattaaa aaatatcctc ctttcatngg 480
agggttggaac ct 492

<210> 23
<211> 273
<212> DNA
<213> Homo sapiens

<400> 23
gctctgagtc aatacaagta gggaagttca actggttccc tgggtgttca ttcttggttg 60
gagagctgtt tgggaggctg ggaaggtcca ttagaagcat aattctattc cagagggtggc 120
ttggcagatg gagcatatca tgggttaatt tctcagcatg tcacagaaaag caattcctac 180
tagacctgaa gaaagtggct tctctcttaa cagaatgtta tctttttcta gagagtaata 240
tgtttttatt aaataaaaag catctaatag tac 273

<210> 24
<211> 495
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(495)
<223> n = A,T,C or G

```

```

<400> 24
attgcaagcc cccacctatg ttgggttaatt ctgcttcaca tggaagagac agccattggg 60
ccagccctga acaaagatcc ctgtcaccaa gatccactgc tctgtctgtg gtcaggcaaa 120
gagaagggtta tgtctcctga gttctagtgc tccgtcctga agtccatgta atgtgagtta 180
caagccgtct gcagaggtga gcattcgact ctggccagct caagttattc ggcaagggtgt 240
gattgtccag tcttgaggct gtttgctggg agaagcacga cataggctat tgccagtgcc 300
aaggagaaca atcctaataa gactgacagc cctgccc aaa tgacatggca ttgaaaatga 360
cacctgactg aatgaanctg acccttgagg taggcacttg ancttnttca aaaaaanaagg 420
gagggaccag ccncaganga ggcatggatc caaacttttg ggatcctcan aaatgtgtga 480
agtgactcct tctttt 495

```

```

<210> 25
<211> 468
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(468)
<223> n = A,T,C or G

```

```

<400> 25
attttcctgt agagtttagga aactgacaac tagaagacat aaatatctgt tccaactggc 60
tgctgtactt ctgtgtatga ataaattaat gttctgtttg aaacatcagt ctaagggaga 120
agagaatgta catgcagata gcctttctat cgacctctat aaccaagacg gcaagcttta 180
tgaaggagga gatgctgtct catttacaag agccaaaagc agtgttccct aactcttggc 240
tgagggattt gccatgcagg ataactcata tactatcatg tccttagaga agacatcata 300
ttcattttgt ttttctcgga gtaaatTTTT gtgccgtgat accatttggg tattcattaa 360
tatttatcac acnaaggaat taaatgggtc tcccgaacct ggcnttaacc tccttgctaa 420
cctaataattc attcaacaaa tattaactgg gcactttcaa tggggcag 468

```

```

<210> 26
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 26
gatcatgaat ggaatgacac actctgaacc gaagagacct tacagatcat ctagttctcc 60
agccttgaag atggggaaac tgaggctcaa ggaaggcatg taaacagcaa cctcgggatt 120
ccatttaaatt tctgcctctc tggatctgct tccatgatata taaaatggta ataacc 176

```

```

<210> 27
<211> 104
<212> DNA
<213> Homo sapiens

```

```

<400> 27
actggcatga aatgacagat atacagagga cccttgaaca acctggggtt gaactcctca 60
acatggacac ttatacacgg atttttctca ataaaagtga cacc 104

```

```

<210> 28
<211> 472
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(472)

```

<223> n = A,T,C or G

<400> 28

```
ggggggggcctt ccttntcttta gttccgaact ggggggggagg aaacccccan aanttaaggg 60
gtggggtttgn ggaacttggc agccentttt tttaccaac taaataaaaa aatctgggtat 120
tncaaaaaaca tggaccttna ttgnggccnc cntttttnt tnatataaaa aaccaaaagg 180
ggggccnttg gaccttaaaag gnactaaaat ggncaagggg gtggggacca anaaatccaa 240
agtttgncn ngteccacc aggttttttg ntttttaaaa taaaccccaa atttgggnca 300
aaaaaatctt tccttcaaaa agaccaaaaa ancncgattg aaaggggggga aaaaatggcc 360
cnttttggg gtttaaaaaa tttaaaaacc aggnaggacc tncctctttt gngtcctttt 420
ttcaaggggt tcaaaataaa ataaaaaccn atttccttag tggattttaa gg 472
```

<210> 29

<211> 443

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(443)

<223> n = A,T,C or G

<400> 29

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atctcactga agagttcttc tgtgcctgga agacttattt tcagtctgag agaagtgatt 60
tttcaatggg tctgttgaac atgcaattct cactgaaagc accagatttc cgcgtaggag 120
ggactcgggg gcaacgatgc aattggaaga actgcaccga aaatgacgat gtcttctcat 180
gcatatgaat tatccaaagt gtgggaagat gcgccccac tggagtacgc tgaagccttt 240
aacccaagta catttaatgc tgcgaagccc cgagtgaagg aaagggtgtc ttttatttta 300
gaagacatctt aggacagttc atgtcactct gcacagatgc actgaaattg attgnggggg 360
caaacnttaa agagagctta tgcctcccaa atctgtttcc gagccaggta ggatgatgaa 420
ttctgaggtg ggactggagg ggt 443
```

<210> 30

<211> 254

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(254)

<223> n = A,T,C or G

<400> 30

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tctctcctct ggatctgagc taaaagaatt cctgccttac tggaaaaaga gtacagcaga 60
gtgggtagaa gatcctgaag ttggtccttg ctccctttca gacccaacg ntctcagtct 120
ccctctttcc tggctagtgc attacaggca cactaaatat tggttggtgg gatgatgaca 180
gaaattacct tttcctaata tttcctatag gtaattatta gaaaattaaa agtagccact 240
tgcaaattaa aaag 254
```

<210> 31

<211> 120

<212> DNA

<213> Homo sapiens

<400> 31

```
aatatataac tcgagctcgt gttcctgtcc caggagagag agatgaccct cttcttgggtg 60
ctttccact ttagttttca tcttcataa tttacgaata aatgcataaa atggaaatgg 120
```

<210> 32

<211> 124

<212> DNA

<213> Homo sapiens

```

<400> 32
atctcggaga gaaacgcac tatcagattt ttactgatac cgaggaagaa gtatctccct 60
cttcgaattg tattgtacat ttgcattgat gtggttatit tcatctaaat aaagtcaaac 120
aggt 124

```

```

<210> 33
<211> 373
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(373)
<223> n = A,T,C or G

```

```

<400> 33
gtgggggtctt tcaagatgaa atcagagtaa ccccatggag gtcttgagtc acgggtggcac 60
cttgccctgc ttgcctaaca aagacctcct gggaggagga cccagaagag ggcagggctg 120
aagaagagtc acagctgaag aatgtgactg ttgcccagga aagccacttt ctttctgcag 180
caggattaga attcctacaa ctccagccaa aggaactggg ttgggaagcg atactgcaag 240
cattcatgtg cttccatcct ggtcttcagc ttagccacgg tcctgcgggg acagtgagtc 300
cctctctgag tggccaggac ctncacctgg cccacaggaa gcctttacca gcaggaagcg 360
aaacgggatg ggg 373

```

```

<210> 34
<211> 480
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(480)
<223> n = A,T,C or G

```

```

<400> 34
tgtcattgag gagaatttgc ctaggagatg caaagagaga gaagcccata ctttgagggt 60
ggaagcccct ccaacaggca acatgactgc agcacaatca actatggctt tgctgatctc 120
gtgtatcatc atcctcatca tcctcatccc cgcaattgca gcaaacgtcc agttgtgcac 180
ttgctgctga tgatgaataa atgtatagaa caggaaaaaa tgtatctcac cttcagacag 240
aagatctctg ccatactgtg agagagagcc tgagttagcc tgctggatgg tcaaagatga 300
gtggtgcagc taagtgaag cctgctgact ttagtagacata tgagtaaggc catgcttgat 360
cacctggctg ccagctggcc tgccaactaa ttggagggnac ttggaaagan tcnacnaaan 420
atcaccccc caggtcaaat aaaccccagc cccctccntg agaatgatga actaaataat 480

```

```

<210> 35
<211> 100
<212> DNA
<213> Homo sapiens

```

```

<400> 35
aaagatgaca gaagaacaaa gatgaaggag gaggccactg gtttacagga agggtaaagg 60
acaacgacta tccagatttt tcttccaact ttactttaag 100

```

```

<210> 36
<211> 183
<212> DNA
<213> Homo sapiens

```

```

<400> 36
gcagcaacca cggctcgtaat gggatctgtg actgtcacca gaagaaatca ccaacagttt 60
cgtatcacgt gagagttttg caggtgcctc caaatgccgt ccatgctcat caacactgtg 120
acatcagctg cggttcttta atgcatgtga taaggaagca cgtatattag aagtttgggt 180

```

ttt

183

<210> 37
<211> 144
<212> DNA
<213> Homo sapiens

<400> 37
aaaggacttg tacctcccag aagttcacgg aagtgtctag gacaacagaa tattgtgagg 60
ccaacacagc aaacagagca acgatgagca gccacttttg actttggttt ccttattcag 120
gaaataaaaac agatgatctg acag 144

<210> 38
<211> 140
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(140)
<223> n = A,T,C or G

<400> 38
gatctgtaga gagacagcgg aggcaaagat acctggagcc gatcanagaa gagatgcccc 60
ctctgaaatg gacacgccta aggagacatc aaaatcttca ccaaaccttg tctaataata 120
cagttaaatc aatatcagag 140

<210> 39
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

<400> 39
gagagaatct aatataactca ttcacactga ggtgtaaggc tctaagaaga tgtacactgc 60
ctgcccaggg atatatccag ttcacctgga agctaagcaa gaagaattaa aatacagaaa 120
tggaataaaa gtttgcaacc tctccaaccc ttgtgtccag gctgcttttt acgcctcaaa 180
acttaccaga ttttgtctgc acctcccaga caacctcaga aatgtgtttc ccaaaaatct 240
ctttccctgg tcagtttctc tgatcatgcac tactttcaga aaccagact atcctctggc 300
ccatcagccc tcatgcccag agacccatgc caagttaaag ttgntcattg ggancagat 360
atgtctccaa ggcaccttct aaatctgtca aggccaatth aggaacagaa ggttgaggcc 420
agatgggaaa agttgggaaa ca 442

<210> 40
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(414)
<223> n = A,T,C or G

<400> 40
gaaacagaat gtctgtgggc angaagttcc ttcttggggac taaaccagtt gaagctggca 60
aaatccatga tggcagctta ctcgatcttt gaagaacctc tagcttcatt atactccaac 120
ttccatacta aatgacactc ccaccaatgc catgacagtt gacaatcatc atgacagtga 180
ccaaaaagaa ccaaaaaagg acaggaaaga agtgggtact tgattccagg aaaatctcca 240
tccttttcca agaaaagcat gaatattcct ctcccttgggt ttaacgctca aacctttcat 300

```

taaagataacc ttgtgtctgt aacttcctga ttctcaggag ctgacatggt gatgtgtgag 360
ccacactccc acttctcatg tcatgacccat cgaataaaaa ctggctcttg tttt 414

```

```

<210> 41
<211> 271
<212> DNA
<213> Homo sapiens

```

```

<400> 41
actttgatgt cttcaaagca aggcgagtga gtggcactct tcagacaaga aggaagatgg 60
caggtgaaat catcttcttc taatgagccc tgtgctatgc ttgctgatgt ccttggtcac 120
ggagattttc agaaaagcca tggccttacc agtgaagggt acacagaggc cactggagtc 180
aagtaattca ttgtctctta ttacatttag gcacttcttt atccatcatg caggctattg 240
ggattaaaat gggtcctttc aacaatgagt c 271

```

```

<210> 42
<211> 111
<212> DNA
<213> Homo sapiens

```

```

<400> 42
ggataactac tggatcagca gtactccaga cagtgttca ccagactggg tccctggatg 60
atgaaagagt cccccctgca gtaccacaat aaaaatgtag tgtgaatgag g 111

```

```

<210> 43
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

```

```

<400> 43
aaaccgagac agtaccctact gccagcagca gatgggaagt ctaaacagga gagactgaat 60
aaagctgaca actgaggcag gataaagaag agaaggaaca aagaaggagg gggcaggaaa 120
agaagccaag cagaacatgc tagcctgtcg attttgtctt ccattaaggc ttcagcagaa 180
gataagaaaa gctaagccac gtcagtgaag ggaggacagc aggaaggctt tcaggggaaag 240
atttgtggtg tggattcact cggcattgat gagagcagct ccccagacag ataccgagaa 300
tgaaaaacca aaccagtgc caggaagaga agatatgaag aaaaatataa gtacatcttt 360
tattgtaaaa atgaataact ataggctata gactggatnn gggaanccta atccctaatt 420
ngatggaat tgggagngg ggctttggga tgccattatt taataggtca aga 473

```

```

<210> 44
<211> 429
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(429)
<223> n = A,T,C or G

```

```

<400> 44
gtgggggtctt tcacagtcac cagcatcaaa ggagcagtag tggcagcaga gtctcaaccc 60
tacagaaaacc tgagcgggtc anaacgttca tcttcatcta gccaaaggta aagcaccag 120
aaaccaagga cagacagntg tgagagcaag ctggcagcaa agggctgagc tctgaatttc 180
agtctggtag agcaaaatga ttttctcctt cagcaatgtc agaagaacca tcccttattt 240
caagacatcc ttacacatct gctgtgtgca aaacctgcac acaggacgtg gttctgaact 300
gcttcttcaa aacaaagtaa atgaaaattt cagtggctcc agcagtcggg actgttaggc 360
atgaaacaat gagaagtacg aaataaatct tatatgcttt ttataattt agtaacccat 420
taaaaatcc 429

```

<210> 45
 <211> 489
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(489)
 <223> n = A,T,C or G

<400> 45
 gagcatatcc tccgttggaa ggaagaaaga agacaaacag cagcctgcat gcttttgaag 60
 ctggactatc aacaaaggat cttctcaatc aattcaccac tagcaacaga atgcaggcgg 120
 ttctcagaaa tggctcacia agaaacacia aaaaaggntg tctgaangna aaancnagaa 180
 aaggttccct tcnnnaaaan gnaaatggan cnttnancnt ttttngggnn gcagaagtgc 240
 cacggnctn tnantgctgg taattnaaan agggncanaa cactttcttc aggccaccn 300
 agggangttt tatattnccc atataaagan acaaattccc acantgtgcc ttccttgngg 360
 tntntccaac tctttgccaa caagaggcca acccgggng ggccccncc aggggaaaaa 420
 aaccttttgg ggngganccc cctttgggca ntgccaan gn ccttttgaca tttcaccggc 480
 gggaagaga 489

<210> 46
 <211> 358
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(358)
 <223> n = A,T,C or G

<400> 46
 ggatttcaga cnaaattcag ggattcttcc ccncccaaga ctgtggttca gaccacggtg 60
 acgtcttcca ggcaccagga agaaatacga ccaacctccg taacaaatga gagaaacttc 120
 acctgactgt gttttgtgca tttggnttat gagncgtttt aaaaacgtgt acttttactg 180
 ctgctgtcag gttttcagcc atagaatatt ctagaaaaaa atagtataa catttatttc 240
 accgctataa ccctgaatgt gtagctgtgt tttttaaaaa aacatttttt tacaattgta 300
 gaatatgtaa catgcctcca gaaacgtgcc ctaaacacia atatataatt tggcaaatt 358

<210> 47
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 47
 gaaaagctga agatgggtcag acctgggtggc acacacctgt aatgccagca cctttgtgag 60
 gccaaaggcag gtggatcgct tgagcccagg aattcaagac aggcctgggc aacacagcaa 120
 gaccttgtct ctataaaaaa ataaaaata aaaataaaaa taaaaaaaag atcagtc 177

<210> 48
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(536)
 <223> n = A,T,C or G

<400> 48
 gacgtctggg gagctcctgc nntanntnac actctgnnag aacccatggc tcatgaatca 60
 cccctttggc ccaaggatga gtacccacag cagcaagctc ttccattgga aaccacgctg 120
 aggaagacat ggtcaagctc tggcagcaga tcaagctgtt atggcaagaa ttcctggttc 180

tgcgtcccca	gcatgtaata	tagaagatct	gggagtgggg	tcttgggtct	gtaatgtctg	240
tgatatggct	cctcacatct	tcttgtgtag	agtgtcatgg	ccaaaacagg	aataaccgtg	300
tttgccttct	tgaattcccc	agtaatgagt	ctgaagctag	tctgaagcta	ccacagtcta	360
ttttaaggga	ttccataaca	tgtttgaatt	atatctatat	ggnagggact	ttcaatcagt	420
agccaagatc	tgntactaaa	attaaatncn	caatttaatt	tccacaagct	acataacctc	480
cttcanaggc	ctgccaaaat	tnttaatgga	ggacaatgaa	agttcgtaac	cttctt	536

<210> 49
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 49						
gtgaggaact	gaaattgagc	acttgaatgc	ctggaaccac	atatccaacc	aatggcagcc	60
attgtcctct	caaagccggt	tcacttggtc	tcaagacact	ttatgtcgag	ccacagctac	120
ttcatgtact	gggagcacca	ctcctgaaga	agctgactca	gcttcaatgc	aaggaagaaa	180
gtctgactag	ttaggtggaa	catgggatct	gtaaaagcatg	gtgctgtgcg	agaggtgggtg	240
gaatgcatgg	gcaaattgatc	tctggagact	ctagcaatca	ttccgaagtc	tgtgttcaag	300
cagtaaacaa	acagcacact	cagtaaccag	tattcttgta	aagatggagg	atggtaatta	360
cattctgtga	ctag					374

<210> 50
 <211> 595
 <212> DNA
 <213> Homo sapiens

<400> 50						
aggaaaaggcc	acatgaagac	acacctagaa	tgtgcccgtc	tgcagccaag	aagaaaggcc	60
tcaccagaaa	ccaaccccta	ctggcacctt	aatcttggac	ttccagtctc	cagaactgat	120
gcagtagaaa	tgaggccatg	tgactctcca	cgctggagga	ggacaggcac	tgaggcttcc	180
gccagctcgc	tcttgcttgt	gtgatgcctg	cccttggaac	ccagccaccg	taccgtgagg	240
aagccaagca	gccacgtgga	aaggccatta	caggtgttcc	agccacagtt	ctcatggagg	300
tcccagctaa	tagctggcat	cagctgccag	acatcacacg	gtgagggaga	ctgcacaaga	360
ttctagcctc	cgccccctgga	tgtcccaact	ttgaaccagc	ccacctcact	tgagtgccgc	420
agagagaatt	gagtattatt	gctgaactct	gccc aaagtg	cagtttgtat	gcaaaatact	480
tcttccctta	ttttaaagtg	ataacttttt	ggagagactt	ttttacacaa	caagtagata	540
atggaacaaa	tactacttat	gatttttgca	gagtaaactcg	gcttctcgct	tttcc	595

<210> 51
 <211> 268
 <212> DNA
 <213> Homo sapiens

<400> 51						
gagattttca	aacctcagta	tgactgaaaa	tatacttcag	aaagtcaaga	cctgggccta	60
ggagtctgca	ttaaaaacac	tactctgggt	agagataaag	aaagggactc	tctgagatga	120
gggaaaagca	gtggtttcta	atctgtgggc	cagagatctc	tgctgggatg	aagaatatgg	180
agggagaaac	aagagttatt	gtaaaggggc	tacaaagctc	tacgtatgca	aagcactatc	240
tatagactga	ataaataagt	cttgcact				268

<210> 52
 <211> 60
 <212> DNA
 <213> Homo sapiens

<400> 52						
atatttcgct	ctgaagaaac	atcattagaa	ataaataaat	aaaattaaca	tataatacct	60

<210> 53
 <211> 419
 <212> DNA
 <213> Homo sapiens


```

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

<400> 53
tctcaatacc ttcacagagg tgaagaagca gcaaccaaat gaattagaca gcaacatgat 60
tcctagagaa tggcaagacc aattcttcaa ctacttcttc agcatttctg aaacatatgg 120
aagatggccc attgtgctct ctttaattctt tgataatctg gacattgact tttccattat 180
atgacctggg cttgtgggca tcatgtcata atgcacctgt tcagacatct cctgtacca 240
atatggatca cttgaagaga ctcttttgcc tccatcaaaa aggatacagn tgtgtatctc 300
ttccattttt gnttacagn cctaaaatta tttgagcagg ttttcacctc ttctctgaat 360
aaacacctta ttagtcctta aaangaaang aaaaaggga aataaaaactt ttaaatagca 419

<210> 54
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

<400> 54
ggncgaggca gaaccaaacc atggatacgg gtcctttgct caaattcttc tcaatgaaga 60
ctctgtgatg aagaggccac ttccatttaa aggcagcgac acttagaaaa tcacaggcat 120
taaaacttag aagagggtcac cttatccaac gtcccagcca gcacagccat cttttcacag 180
catccatgac attcagcctc ctctcagaca tgggaagatc acctcttcat gaaacagcag 240
attcttcaag gataaggaaa tggaggaaca aagcagtga gtaatctgtc caaagcccaa 300
aagttgaatt gttgaaactg acatctgaaa gcaagtagcc tggcttcaga gtatatgctt 360
ttaatcgctg tggtatatac tgctctttaa tatgtgataa tatagtatat ttattaagtt 420
attaaaagaa acataagttt ctttggtgtc 450

<210> 55
<211> 172
<212> DNA
<213> Homo sapiens

<400> 55
ggactaagga ccactaacia cagatccaag aacacatgta atgcaaacca ggtattcata 60
tgctctgac attttcaagc cttaaagatca agagccatca tcttttacia gagttgcagt 120
ttggtcttaa cctccaaaaa agaaaacttct aataaatact atttccttct gt 172

<210> 56
<211> 211
<212> DNA
<213> Homo sapiens

<400> 56
agagtttggt gctaaacatt taccagcaca ccctaaagag aggagaaaaa aatatgtgaa 60
gaaaaagaaa aaaggagaaa tcaaagaaa agaaagcaaa aagagcatat ttggatgtgg 120
aagaagaaaa agacaagttg aactgtctta aattccagcc catgaaagcc ttcctttttt 180
taaataaagt ttttgttttg ttttggtctg g 211

<210> 57
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(328)

```

<223> n = A,T,C or G

<400> 57

```
taccatgggtg tnttgaatnc agcttnngctt tcacccaaaac cccgatcatgc tnggcaccct 60
aatattcaaat ttccagcctc cagaactgct ccaagaaatg gaattttatt aaaagatgga 120
agaggaggat atttgagaga aggggaacta cctaatactg aaaactaata cagtccagga 180
tacatagaag atgatcaata acacttatcc aatctaaatt accctatcag caagtggaga 240
gttctctctc gggagtgtctg ttttctttcc tgccagtcag ctctgtcagg ttgaatagaa 300
agcgataaat aaagaggaaa agaattcc 328
```

<210> 58

<211> 208

<212> DNA

<213> Homo sapiens

<400> 58

```
gagttgggtg ttaaaaagag cctggaatct ccccgctctct ctctggcttc ctctctcact 60
catgtgatat ctgcacttgg aggcctctct tctctttctg ccatgaatga aagcagcttg 120
agaccctcac cagatacaga tgctgggtgcc atgctctctg tacagcctgt agaccatgag 180
ccaaataaac ctgttttctt cacaaatt 208
```

<210> 59

<211> 334

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(334)

<223> n = A,T,C or G

<400> 59

```
catatctcaa aaatcaagat gaanccttaa gctttctacc cagatgttgt gggaacttga 60
agacaaagtc tcaaagagac tccgttttgg tcaacaatta gcccttcac atttggatec 120
tgggccacat gtggaaataa agagttccag aagaattctc ccatgaaggc attggaatgc 180
ttcaatacat agttttgtgc caaatctaca ataattctcc caaaagaaag actcttcagt 240
gttctggatt tttcgggact tntcttattt tcttgtgcaa catcttaaca caaactagaa 300
taaagatgac atataatcat ctgcattcat gaat 334
```

<210> 60

<211> 176

<212> DNA

<213> Homo sapiens

<400> 60

```
aaagctggtc gttaaacatt tactaaaaca ccaactggata caagtgacat catacaagat 60
ccagtccttg caaccactga tctgcctcct ccctctatgg cgtcacctgt ttggaacatt 120
tcatgtaaat ggaaccatac aagatgtgac cttttgtgac tggcttctct ccttgg 176
```

<210> 61

<211> 381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 61

```
ctgcaatggt cctagagaga agccagcact cgccagatct ttggccaccc cgaggtgtcg 60
tgtgcataag ggaagatgag aggctgggtg acgcccaccc ttcaccagtt ttgtaataa 120
caagctggcg ccccagaacc catccacagc agctttttca gtggcattat gcattcgtgg 180
```

```

tgcaagcattc cttactgtgc ttcaatcagt ggcttcagtc gtggccggcg cacactgatg 240
gagttttcttc ctgcgtcgcg gtcataatttt cctctttgca tgtctgatga cttttgatta 300
gatgcaggcg ttgttcactt tccctgttga gttctgagta tatttgcatt cctattaaat 360
atccctgngt tttgctctgg g                                     381

```

```

<210> 62
<211> 141
<212> DNA
<213> Homo sapiens

```

```

<400> 62
gaaataaggg accctggcat ggatggagca tgtgaaacta tcaagaacag tgaaatgttt 60
cagatTTTTTg ctatttgcca gtttcgtttc atgaatgctg gcagaagacg cctgaatcaa 120
agataaaggc tgTTTTTact c                                     141

```

```

<210> 63
<211> 581
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(581)
<223> n = A,T,C or G

```

```

<400> 63
atgtgcagcc tgtcaccaac accaggaagc tcagagacgt gccacctgga aaggaaatca 60
gacaggagag ctcagggtcg aagtcggccc ggccgcctgg agctccaagg ggacaaatgg 120
agcccagggt caaccgcagc cagggaggca acgtctgtgc acctgcaact tcccatggca 180
ttgcccaact caatggctca agaacctgcc ctgtcctgct tcgggcccag cattccatcc 240
tctgaaagaa cagagcgctc cccacatgct ccgtagggac catcctgcct ctgccctccc 300
cacttcacca gaagaactcc tccctcatcct tctgggccaa cttggcagca actcctccgg 360
gaagccttcc ttgtctctccc aagacacgga caggcacccc tcgtacgtgc caatagcatt 420
cccatcagca gttgtcacac acacaaggct catgacctcc ctccccacct gtgccccag 480
gggaggggct tncctggggg cagggccatt tcgtcgtcat cttccagcac cacacacact 540
cgggttgctg aatgcttnc taaataaattc ctgccaaatg c                                     581

```

```

<210> 64
<211> 244
<212> DNA
<213> Homo sapiens

```

```

<400> 64
atgtcatgtt ggagcattgc agactgctct tctcccttct gcctttacat acaagatgcc 60
tggttgctgag aacacttggt cccacttctc tagcaggcaa ggatctgggc aggacaacaa 120
ccacaggcat gtgctttctc atcatgtgat gtcactgcc aggtcatgat gcagcaagaa 180
ggccctcacc agatgccacc cctccagaac catgagccaa ataaatgtct gttctttata 240
aatg                                     244

```

```

<210> 65
<211> 362
<212> DNA
<213> Homo sapiens

```

```

<400> 65
gaaactctcg aagggtcctg cctcagggtt gttttatcca ctagctgctc tagacacagt 60
gcctgtggcc ttccagctat tcagtcaaca gcatatgaaa atgcagttca ttaaaagtaa 120
accatccaag tcacctgttc actgtggctt cctgtcagga gggacagttt agatgacttc 180
ttggagcctg tcaactcgta ctgcaactgat ggtatcagat gcaagctggg gaatttggaa 240
tgctatctgc aatagtgaca tctggtggct tctaagtctt actgcacctc ctttaaggcag 300
gaaagcaagc ctggccttta agcagtattt gtgaaaaaat aaaggaatta catgagttct 360
gg                                     362

```

<210> 66
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(418)
 <223> n = A,T,C or G

```
<400> 66
ggtctatgct acaccacctt ntgcttacac cgaaacaaaa ggggntggag ggagctgagc 60
ccagagaggg atgatgcagg ctcttcacaga acctgtgtcc tatgcctcaa gccttctttc 120
cctcctgctc gctgacaact gctgaagcag aaactaagat tacgacacta ggtggcagca 180
tnatccacag ggaagacaac ttgagtgttg ggagaccacc ccccgccaaa ctcaacacaa 240
tttggagagg ctccacgaaa aagaccagcc cccaaataac agggagactc tgcaatgctt 300
ggtttccagt gatgatcaac actttaaggg ccaatggaat tcacccttac aggggaaaagg 360
ggaccgttga antancctgg ggnnggggagg ggcattgctcg agaaacccta cctaattgc 418
```

<210> 67
 <211> 322
 <212> DNA
 <213> Homo sapiens

```
<400> 67
catggagcct agtacaaaga aaatatccaa tgaactgaat ctctactctt ctctgaaaac 60
tcaaaagatg agtaaaggaa agtctgctat ttccagagtc cacttgctct gagctgggtt 120
tcttctaaac cacatcacia aagagcacga tgctgtgaac ctctcctttg gactcaagt 180
tactaatggg gaggaatggc aagttacatg cattatttct ggattctata aaaatgaaag 240
tgatgggaat taaaaataag ttcattaata ttgtaattta tagttctgaa gagcttttagc 300
aaataaacta aacattccaa at                                     322
```

<210> 68
 <211> 317
 <212> DNA
 <213> Homo sapiens

```
<400> 68
ggtgcttttac gtccccacca aggcaagagg aacgccagcg aggaagacaa agaggcccg 60
ggtggggcgc atgcccgcga ctggactgaa agctgagtca caggaatcgt acccctgcag 120
cgggccaggc cctccaggga gggacaccgc gcccttgtgt ggagatgtcc acagtagaca 180
aaggcagttt cgaaataaaa gaatgcctgt caccgccagg gccacccga cccttagtta 240
ttatgcactg gtcccccaaga gcaatttctg cgctgctgtt gcaaaaattc atcgtaatga 300
aataaacgta aaagggg                                     317
```

<210> 69
 <211> 678
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(678)
 <223> n = A,T,C or G

```
<400> 69
gactctgggg agctcctgca ttanatnana nntgnngata tcnactctaa nagacatnaa 60
ggaggcacia aagtcctcat cccagagaga agtcggtaac tacgcctgtg accgggagag 120
gccggacttg ctctccttcg cctagggttg cactcagagc aagagagaat ataggagaga 180
ggaagagaga aaggtaccgt cctgacaggc actttccttg ctatcacaga aagaacaagc 240
ctttcatggg ttattgggaa ccaagctcag gtgtccctgg aggcagagct acgtggacc 300
agcaggcaga agagaaaaga gccctgaacg ggaagtgtga gacctgtgtt ctattttgag 360
ctttgcccc aactgttaaga ggactgacca tttacaaggg gggagctggg gagatgactg 420
```

```

gacactttga agtgacaccg ggacccaagg gttctcaagt tcattatttg tgaagaaatg 480
gngcttgntt ctgtgatctt tctctgctct gaaatactac aggccttaan ctagatgccc 540
tttggaggnc tttcctggat caacagatgg aggacttttc aaaagcagac gaaagtgaat 600
gggatcactc acacctctgc ttcggacaca gngaagccca gatggagaag aaagaaaact 660
tggncaaagc tatacttg                                     678

```

```

<210> 70
<211> 257
<212> DNA
<213> Homo sapiens

```

```

<400> 70
gacacaaatc caggagccat tccttctgcc tgggaggagg gagtgatgaa gaccagagga 60
atcccgagg agaagccatc tgagatcggg aggaggagaa atggaacatc aggcggagga 120
aacagcccag acaatcgac tgggacgtga aaacccttgg gctgcatgcg gggagaaaac 180
cagaattggg gatggttagg gttttggagg gaaacacagg gacatgtgac caaaaataat 240
aataactact gttactt                                     257

```

```

<210> 71
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (491)
<223> n = A,T,C or G

```

```

<400> 71
gtaacctaat gggttttctca gccaaagccgc aagcatgtaa ctgcaacttg aaggaggaag 60
atgtcttttag agacttagaa aagaccagca agcttcttta caaaatggtc tcttcaatcc 120
tggcatccac ttgggaccaa tgagatggga tgttcacctc catagatttt cacatatgta 180
tctttaatgg tatccccagg agcctctgaa gtgcatcagg actttatttc aatgaagttc 240
acactaagcc aaaacaaggc atgccctatt caatttcttg tgtccatta cactcagctt 300
tgctgtccaa ctgatcacac tagctgaagt caaaaatgtg caccagaaaa taaaatgagg 360
cctacttatc agattggcaa aaannaaacc aggtcataaa accccttttg gtaaatatat 420
ggaaaaaaca catcttttta tatgcattgn catatatata tacatatata tgctgcatta 480
atatatatac t                                     491

```

```

<210> 72
<211> 196
<212> DNA
<213> Homo sapiens

```

```

<400> 72
ctaccagtct gaccctgact caggcctccg gaagaaacca ctcgctaata acagtctgtc 60
ttgcacccag acacggcatc tcagacactg cacaaattaa gaagtcaccc tcaaaacctc 120
tatacagtgc aggaatacag ctaagacacc acacccgagt actaacatct gcaaattctg 180
aaaagctcct cataat                                     196

```

```

<210> 73
<211> 511
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (511)
<223> n = A,T,C or G

```

```

<400> 73
aaaaacagag atctgtgttc tgaatggaaa aattcctact gatgccaccc actagtctgg 60
aacaagtcag tctcaaakat aacaacagac actggggagc tctccaacaa aagatcacct 120

```

```

cccaaagaac aggatggtgt cgaagactga atgccagcct gaggaacacag aaatactaca 180
gaagcacgcc agagcctgca gtgtctcctc gctgctctc aatgaactgc taaaagacca 240
agaactctgc tgagagataa gaagagggga ggggtgtgctg caggtggtgc tgggaggccc 300
agaccttctc ctgacatctg gggctggcta caggaaacag aaacatcacc caggccttgg 360
cgccgagaca ggacagaagc agattgtgac tnaaatcttc nggnnggaaa ggggggcctt 420
tctttttntc cttaggggnt anaacnaaag ccanaaaggg ttcattccaa ggnaaccctt 480
aaggcagttt natgatccct ttcaaccttt t 511

```

```

<210> 74
<211> 499
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (499)
<223> n = A,T,C or G

```

```

<400> 74
gactttgcgt gtgaccactg cacctccagg aaggccaggt gcacatcgct tcccatgcgc 60
ccggcctcat ggcctttggg ggttgctcgt tggaaaggag atgacacgag tgctgcatgt 120
gaggtcagtc aggatctttg attttggagc acaagccttc tgcgtgctac tgactgggtc 180
ctggcctccc tccttccatg gcacgtcgt gaatgggaat ttccaccact gcctccatta 240
gcttgaaaaa agttctccac agaagtaatg accctggact tgcagaagag agcgctaaag 300
ctcagaaagt aaagtcagct ctcaagaaga cttcgctagt aattagcgaa gtaggatccc 360
accagatct gcgttctcca cctgntgnca catgaagcng gggnggtnaa aacagaccng 420
ggaantggnt acctcattac aatgcccnc tgactggtnt aanttccna naggggttat 480
tgccatttt gttcaatga 499

```

```

<210> 75
<211> 427
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (427)
<223> n = A,T,C or G

```

```

<400> 75
gaaaaaagta tcagaatgct ttctacatga acaggaagac taaccaacgt tgaatggcag 60
ccagtcttat ctccgtcctt atcaccacct taccatgtca tcctggcgaa gatgccatca 120
caggagtcag ggttgaaagtc cagggtttaag gtgcatctag atgggttccc aggacgcctg 180
aagtagcctc aagaggccca aaagaaaaag ctctcttggc acagtctcct aatggtgaca 240
aaggagtccc tctcatctgc ttggcagcct tacaatcaga gcgttcttac atctaacctta 300
attatttccc actgaaattc aaacctaat catttatctt ttattctcta taaaaatgaa 360
aaacatcact gnggcaagta acttgctcaa tttctnaca aaaaataaan aaaagggtgt 420
tgatttc 427

```

```

<210> 76
<211> 286
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (286)
<223> n = A,T,C or G

```

```

<400> 76
gtggggtctt tcaatggaaa gatgctcagt tgagtgggga agagagcagg aatcagagtg 60
tcaccatgca ncttatgcaa aatagttgtc aagctggaag gatgcaagcc caatctttgc 120
caccacaaag gaagataata aaaccctac gggagaaaac agagccacag atggagacag 180

```

```

tcacattcct ggtgacagt tttgagcacc tggatccagc ccaacctgag gccattttct 240
cctaggcttt ttagatctgt gaaccaataa atccccgctt taggag 286

```

```

<210> 77
<211> 279
<212> DNA
<213> Homo sapiens

```

```

<400> 77
cttcatctct ccccggttaca gaccaggaat tccaaattcc tagcccaagg tcagagaggt 60
ctcactgatg cctgtgtagc cacgtgagga tgggaagtct catttgccag taagcactac 120
aggaagtgat ggttgaacac gatgggacta ataagaagga aacgtagtta gagtgatctt 180
attcatttaa aaacaaaagc agcaacaata cagcagtcga ggaaaagaat caattctatt 240
taagcaaaagc aatttaaagt aataaaaaat gtttccagc 279

```

```

<210> 78
<211> 481
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(481)
<223> n = A,T,C or G

```

```

<400> 78
ctgctggttg gtttgaagag aagtttagtg ctctcaacag caatgaacag cattgggtca 60
atattcagtg gccgggagac aatctggggt actacgtatg ctgctttggt gtgaactgga 120
attggcatca tgtctccaac attctgaagc caaggctgag gatatacaag gtctggaatc 180
attaaggggtg tgataaagtg ctgagaaaca caggagaatg cattgttcag tgaatgaaaa 240
ttgaaaagag agatggagac agacaaagaa aaagactgaa caactgaata gccaatTTTT 300
tttaactctc aggatgtttt ctctacctg gatggacaca attttctgtg gnggtacatg 360
ataagtattg gctggggtga ccattccatt tntgggccg cccaaggana ttttgnang 420
taacanaaaa gggccatnat attttccttc tctaacctgc cttggancaa gccctaaaat 480
g 481

```

```

<210> 79
<211> 200
<212> DNA
<213> Homo sapiens

```

```

<400> 79
agagctcaca gcatcctgtc tcctccagaa gctcttcccc agctgaaatg gaagtgaaag 60
actggtagtc tcctcctcaa ccacccacct cctgggggcc tgactgtgtg gatgaactcc 120
tcacaccag gatttgtgtc tccagtgaag agcagcaatt tatcctacac tgaaaatttc 180
ctgaataaaa acagttcacg 200

```

```

<210> 80
<211> 239
<212> DNA
<213> Homo sapiens

```

```

<400> 80
caggagcatg caacacctct tggactcgat gaaagctgtc gccacagggt tcaaccagtc 60
agtactctga aagagcatct tgggggaaaa aaaagcgtgt cagacattca tcttcataac 120
cagaaagtga agtctcgcaa aggaaaaaga caagactaaa gggaataaac catcgttgtg 180
tgggcttttt cttccactca gcatctcttc ccttattaaa atgagagggg taacttaag 239

```

```

<210> 81
<211> 495
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(495)
 <223> n = A,T,C or G

<400> 81
 cccttcccgt cctcccgcgc cccagcaagt cagaagcaga aggccttggtt gctgccagcc 60
 aggcaaggga cagcctccag cagagtcac ccacccacag ttgtctcctt aggacaaaca 120
 gaaagtttca caagcacact ttgttcagtt ctgcagctta ccaggaacac tagaaagcac 180
 tccagcactg tgcctggggg ccatttgaaa cagcaaaatc atcaacaaaa accacaaaaa 240
 tgcaaaaacc atggcactaa atagaccatg aaaaggacac ctgtttactg catgacctga 300
 aacaagaagg cggagcggtt ccttgttcga cttcagctgg gaagataggc gtcagggggac 360
 tcaaactttt cagcactctg ttatatctgn gaatgatcac aaaaaaactg gggagtntta 420
 tttttggggg ttacnaataa atttttacca agtaagcttg nttcacaaat acanaattnt 480
 ggggataatg aaaat 495

<210> 82
 <211> 98
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(98)
 <223> n = A,T,C or G

<400> 82
 gtaacangaa tgaagaaact acaaagaata ttgagaagga agcatcacag aagtgaagagg 60
 aaaaccagga aaagatggct catggaagca aagaaac 98

<210> 83
 <211> 486
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(486)
 <223> n = A,T,C or G

<400> 83
 cgtccacagg atgtcggggc aggagagctg aaagccaata ctgatgagga agggccaagt 60
 gaggaagagt ctgagctgca tatgtcaaga aggagaaagg ggaaagaagc aaggagcgag 120
 accagaggga gccacgcaga aacctctggc ctctctgcac gtctgtctta tcctacagag 180
 tggcgactct aaaaggccaa ggggtgccag gccacgcagc agttcacagc ctgagacacg 240
 ctttgctcac acgcctccct cctcctctgg ctccctacctg ataaaaagca ttaccgggtt 300
 tgatgtttcc aacctcccc attttccctg gtgaaagatc cattcatttc agtgctaaca 360
 agacatcata agcagggaga aggaacaaaa ggcanantgt gtncttaagg agggaggcan 420
 tttgcaaaag cncacctntt ttcaccttgt ccacagaata aagggttgaa gactaaaaaa 480
 aaaatt 486

<210> 84
 <211> 280
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(280)
 <223> n = A,T,C or G

<400> 84
 ggtctgcacc tggagactcc cacctaagat ggggggttag atganaccac tntgggagga 60


```

cacncantcg agtgtggagg ccccgaggaa gatcanctnt naanacacag gcaggcaaag 120
ggcagacctc taaggagatg gangangaat gacanagggc nngaagaatc ntgtgaggga 180
ctgncanana agccagtgc naaaacttnc agaagagctg ncaacagtac caaacaagc 240
agaagagtct caaaagatta aaaataaaat ttgcttccat 280

```

```

<210> 85
<211> 408
<212> DNA
<213> Homo sapiens

```

```

<400> 85
atgaggagac ccaagttccc agaagagcag ttgcacactc gaggetggag gacatgggca 60
gaaccagagc tccttgccct cctcccagcc cccacccaa gtaacacgtt cctgatcctg 120
tcctggaagc agcttcgagg aaatgccag acccctggg ggtgatgtgg tggcaagggtg 180
acaaaggggc aggtcacacac gctgtcacaa gctgatatgc aagaactcac aggcattgacc 240
cccaggggct atgggtgtaa gggcatctgc tctgcccttt ccagcgggcc tagttttggt 300
ggcctctgtt ccatttattt gcttaggaac acaaagctga atgcactgtt tgcaggaagt 360
tgtgtgtcta agtcaccta gtttagtaaaa taaataaaaa ccttttgg 408

```

```

<210> 86
<211> 477
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(477)
<223> n = A,T,C or G

```

```

<400> 86
acatgtctgt cccaaacagt gcctttgaat caagaccag tcategtatt cgaagaaaaa 60
ggaaatatcc ctgacctgtg tgggacttaa cactgttca cagagctacc caaaccaagg 120
agaataccaa cgtgaattgt ctttccacct gttgtgtggg gccagcaatt attcttttag 180
cttgacgcgt taaccacact gctccctgtg gccctgggat gctctgccat cccccgtggc 240
tgccagttca cttagggtag acttatggca gagggatgtc aattttgctt gaactgctca 300
atcactgtct acatttcgtt aaccacccta tgaacttctc aagcctgaag tagcagcaac 360
ttgtgccctt gaaaactgaa cagaaaacaa ctggattgna ttttttctt caccaggaaa 420
aaagacaatt tttntttgtg tganaangtc ataaaggcat tttaccact tattttt 477

```

```

<210> 87
<211> 500
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

```

```

<400> 87
cttctcttat tcctgactct ggctgccatc gttggctgat gaaagagttc cttttatttg 60
gtgagttcat ccatcaagat tgtcttcgaa gctttgtctt tgaagttttc acctattccc 120
aaccactccc cctggaagct tgtttcctgc actgttaaga gcatggaccc tgaaggcgga 180
ctacctggat tcaaacccta cctccacctc ttattgggag aatgaccttg tgtaaatgac 240
atcacttctg tgtctcagtt aacacgcctg taaaatggaa ataatatcta tttgtgatgg 300
ttaagtttta tgtgccaact tgactgagtc agagaatacc gagacagcag gtaaaacatt 360
atttctgagt gtctatgaag ggtgnatctg gaaaaaanta cntttggaat ccgtngaaaa 420
ggggcaagna anatctgggg cgntcatct gggnatcatc caatccactg gagggctcac 480
ccaaatagaa caaaaaggct 500

```

```

<210> 88
<211> 381
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(381)

<223> n = A,T,C or G

<400> 88

```
gacactggag aggggtaagc atgctaagaa gtgagatgga tttaaccagc aactcacggc 60
aaagtgcgta tagctgcgtt tgagaaggct tagtcatgac tagaaaagtg tgaatactgt 120
gacatatacct tgcaaaaaaa tggttcagctt aagcctctan actaacttct ggtttacaag 180
aanaaaaaaag aggggccccat ttccaaaaaag actcctgcct tgaactcttc aaaatgccna 240
tgncacaggg ggaaaaaaga tgggggaact ctactacntt aaagctaaag aaaaatttna 300
aaaaaaaaaan gaaaaaaagg gccngcgngg ccnattnagc ttggacttan ccaggctgaa 360
cttgntnaaa agggggggga c 381
```

<210> 89

<211> 458

<212> DNA

<213> Homo sapiens

<400> 89

```
gtcacaaactt ccatagtcag atcctggaag ccacttcaa gcacagcata ttattaacaa 60
ataaccttcg gagaagagag atgctctcgg tgccagtggg ggaagaaagg actatactta 120
cacttatgtc gagactgcaa aggctaacag catcttcac ttgggtgctc tgtttccgct 180
ttcgctgcaa aacaaacgaa aaaacaaagt tcaaaggcat gcagccctct ccagtccaat 240
tcaacacact acccagcttt ggagccaagc ctcatgagtt cccccaaccc agttcctgcc 300
agatactgcc acctgctcca agtgtcaaat ccagaagaca aatggcctcc aatggctctt 360
ttaattcagc catagacagt caatctggga tagaatgatc tccttaagga acccacatgt 420
tttataaaat aaaaactgca tgaattatca aaaaaaaa 458
```

<210> 90

<211> 227

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(227)

<223> n = A,T,C or G

<400> 90

```
gactctgggg agctcctgca ttaagntana nctgatgact ccagngaccc ttcatagagaa 60
gaacatgtct gcggtagcca ctgggtccaag gagaatgagg aaatatgtag agcagctttg 120
aacctaatac gcagtctgaa gtcaagccca gtggattcca gccaaagcaca gcagaaccac 180
agccaatcta tagaactatg agagaggaaa taaatatttg tggctat 227
```

<210> 91

<211> 256

<212> DNA

<213> Homo sapiens

<400> 91

```
gcctctatatt accatcccca ggttggaagc aaatgtcaga gagaccagag gaaaccgtgt 60
gtgttttagt gggtttattt ggaggggcat gggctggaaa ggagcgggca gagatgcagg 120
gcaaatactat aaaacatttt gaacttgtag cctataaacc accaaacatc atgcaggtca 180
ctgatgtgag gatctgctgg gcttatggca tttgtgacaa acccaatgat tcttttatta 240
caacagctta taaatg 256
```

<210> 92

<211> 305

<212> DNA

<213> Homo sapiens

```

<400> 92
gattgggacc agctcatctg aaaattgatt gccggacatg gagaacaaac tggttcagtg 60
ttaacgagga ggaacggatt tgtccatctg accacaaccc aaattgcttg aaaatttggg 120
cagctgtgtt aacagggaaa gaagttggga catggagttg gacagacctg gctttgagac 180
tctgcctcat cagcacctcg ctgtgtgttc cctctgaact tagctttcta tattaacaaa 240
atgaggccaa taataattcc accctgtctg cattccaggg caattaaaga atcataaatt 300
ggcct 305

```

```

<210> 93
<211> 190
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (190)
<223> n = A,T,C or G

```

```

<400> 93
gtgaagaaat gagccataag agaangactt gcccaagatc acacagcatg gcagagccccg 60
ggacatgaaa ctaagcattc tggctccaga gtccacgttt ttaactcaac cggaataactc 120
agcaatggct gagtctacgc cctgtcgtcc cctcctgggt ctcacagaat ggaaataaat 180
gtctcaactc 190

```

```

<210> 94
<211> 509
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (509)
<223> n = A,T,C or G

```

```

<400> 94
ctttgagcct tagctgtcat taccaggcaa aaggaagagc cccactcagc acccgtttcc 60
ggttttacgg cccaggcact gttgagcaga ccactatgtg gaaagccagg gaggataata 120
gcagcccccc aatgaggcca cgagccccag aaccatcctg attgctccct ctgagggtgat 180
ggacagagga aattttccct ccaaggactg acagagaaaag aacaacggag atgtggtcgt 240
ctgctggcat ccattaaact gtgcaactag caaagcaccg agtccacagg gaaaaggagg 300
agaaagtgtg aatgaagggt caattgtgtg tggagggtg agtgtgtgtc caggaaaatt 360
gcctcatnct tgtattgnaa tggcatcttt tattnctca accccaaggt tntaaagtan 420
gttccctntt cttttcnta agccaagcac ctttatgcc ccatcatntn tnacttanac 480
cacaacttta tctnctgac atgtttacc 509

```

```

<210> 95
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<400> 95
ttgtgataat aaaggctcag agaaatcaag ttttaagccc taagtccctgc agtgaatgag 60
cagcagagct gcagctcgtc tcagtcctgt ggatcacacc atggcctgga agggaaaagt 120
tagggcaata taaccccta caaacaacct tccgacaaga ggacaagtgt tttcacaagg 180
cttcatggaa tgtcgaagtg gaggaacaaa acacttcagc tggaaagata gcacatagcc 240
agaagtcaac cccaacccta ccaaaaataa tgatgccagg aaacagagct acatacacia 300
aagggaatgt gtaccaggat acacataata aagtcccttg gccaaagctg ggattcctcc 360
tgccaagcc agaggagtga ttcaacttaa gagaaaattg gaaggaggac atgtggaat 419

```

```

<210> 96
<211> 95
<212> DNA
<213> Homo sapiens

```

```

<400> 96
gctggaagga tgacctcgga agtcacatgc tgaagatgga agacatgttg tagtgctgca 60
ttgacctggg gctcagacat ctcagactct tgtag                                     95

<210> 97
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 97
gacctaacaa aggggaatgga gagtaatcac atcattccaa gacccttcct ttgcagtcct 60
gtagtcacag ctccaaagac tctggggtttt ggagtaagag ctgtaactgc tcaagaagaa 120
ttcgtgaaca aaagcacatc tctctgagga ggcaaaatat cacaggccta tgacaccaga 180
ctgctggaag aggcaactaga ggttgacaat agattccaac atctcataaa ccaggaagca 240
gcctcaggaa ggttggcagc tgccaaaccc acaggctaag cagtggaggg actgtgattc 300
aaactcagat attttggttc atctgccagg aaatttttcc tgtcctggaa ttatctgctc 360
ttctcaagaa ggaaaaaactt aatccttctt antcctgaaa cccatcttag gaaaggcaag 420
aaggaaatgc nccaaaatgt taactgnngt tgacactgaa gggggaattn gggcctttgtc 480
tattttttct gcattgaccc atttg                                           505

<210> 98
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(500)
<223> n = A,T,C or G

<400> 98
gagaaaaaac atatgaacct gagcactgaa tgacttatca agaagatatt tgaaactacc 60
taaacaagga agttttgtgtt ccaaggtaag agaacctgaa atgaaaaact caggatccct 120
cacgaacagc ctgaccctgc tttcaaccag gaagttcaag ggaggcagga ctttacggtc 180
aaaactgcaa agccgaagct caagactgta agaagaaagt gatcctcaaa gaaaaggatt 240
cacccaaact gaagaggata tcgtttcgca tcagggacac tcgtctccac acctcctacc 300
tcaaagtcct acgcacctac ccttcacgtc tctncaaagc aactgaatta aagcgcctac 360
tggtgcttggc ggnccaagga atttaattca ggaactatng gggaaaaaag caggggagga 420
agaaanagga aagacccggg ctgaggcacc aggaagaagg gacgcacaag aacctatcat 480
tgagcttgtt tcgaggccag                                                  500

<210> 99
<211> 482
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(482)
<223> n = A,T,C or G

<400> 99
cttcttgcaa ctgaaggtca ttctcttttg ttagaagact aagggtccct gacctgatct 60
gtggagcacc aggggtggaga gagtgggaata agcagcaaaa cgaaaaattg gatgctgttt 120
tcaaaaagttt tgttctcatt cttggattat agattatcta aagggaaaaat ttaactcaac 180
caaaaaattc gttcagctcc atgaagctaa agatgctata aactgactct ttccctaaaga 240
gcaccaaac tgaaattttt cctgctagag aggaactaat cttcaaggac acctgtctat 300
tgctagacat taagaaggaa ggtgaactcc gttctgtctt cataaaacac atttttgnct 360

```

```

tttccccctta cttcttcact gaaccccttt tgtttacaaa gtccaagctn tgactggngg 420
aggggggaaa atctgaaact gtcagcccca agngngaaca aaatgaaang gagaaaaaaa 480
at 482

```

```

<210> 100
<211> 508
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(508)
<223> n = A,T,C or G

```

```

<400> 100
cctcatgtca ctagaagcta cagtattgga cagcacaagc tgcagagtgt ctgttctttg 60
aggattctct gttctccaaa tgtaaaatca agaatgagaa cgctggcaga agtaaggaaa 120
gatgagacct gttttgaaaa cgaagtttta gaggaactat gtgaacagat tgtgttcttc 180
aggggcctgg cacatgatga catctaacac ccacggccaa cagcattcat aatcaccaat 240
acgcagcatc atactctgtc tactggcaat tcccagagat ccaagaaata tgtaaaacac 300
tggctagaaa gtgttcttgt ggcacgaggc ggtgctcadc aagtggcttt aggggtgcact 360
ggtcacctgt tacattccag gcttctggag gacctgagtc cttgccccac ttanccccac 420
accacctttt gtcacccttg agacttataa ccaggccagg cgcgatggct catgcctata 480
atctcagcac gatggggaggc cgaggcaa 508

```

```

<210> 101
<211> 376
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A,T,C or G

```

```

<400> 101
caaatgtact ctatcgtctt ccacactggg accccagaca ctcattggagg aggaaattct 60
tgaccaaaaa tatgtgttac agaacctgag agagaagaaa aatttcagga agacgatgac 120
agtcaataag atgaaatgat gaagtaaattg taaacatgat acagactgag gccattggct 180
ctgaatatcg agacatcact ggaatgtttt gagaaattaa ctttgattgc gaagagatta 240
agaattagaa tgcagtagga aaatgaatta acatctgata agaaaagaaa ccaaagagtn 300
aagacctgta gttctgcaac acagatgctc atcagaaaaa tgtgggtaac cttttcaata 360
ataaaaccct ggaccc 376

```

```

<210> 102
<211> 304
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(304)
<223> n = A,T,C or G

```

```

<400> 102
atgtctgatg tccnagtagg agtgattatg gttactgtgt gaagacttga ctctcaagga 60
gttgcaggat catacgtggg aagtggaggg gttcccatgt gaccttctat gaagatcaga 120
agaatagaaa acctgaagaa tacatttttg ttggaagaat agaaagtctg cctagagngt 180
ctttggaatg ccagaggatg agatccgtct tgtttactaa gagttgtnac ggntccccctc 240
accttacctc ccaaactctg gtnaggaacc aggacctgcc aaggtgaagc actgatacat 300
tttg 304

```

```

<210> 103

```

<211> 501
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(501)
 <223> n = A,T,C or G

```
<400> 103
gaatcccatg tgcattganc ccttacctcc ctggaccaca ccancatgag atgtcttcc 60
gtggcaatga gggtcacgag tcttgccctga ttttctatgg ttccagaatc acccaagcgg 120
ataatgaagt gagntgcagn taanatggag cccactgggg aagagatgaa gcagtgttca 180
cctgaagcac catctgcatt ttcctagtcc tgacagttac ctctanctga ccaggggttc 240
tgtgcangac ttctgggtatc aaatcaacga tcaagggtgg tnacacataa agatgaacag 300
ttccatacgc aggttttaaaa aagaangcct atgaagaaat ggtaatactt aaaagcactc 360
ttgaagntaa ngggatatgg cgntangaaa acctttaaga tccttttant aggnnagaaa 420
atgggtctcct cantaaaaac aaggccgtan gntttntttg ggctttcgcc aaatgcaacc 480
tgcctntnccg gccggtgcc a 501
```

<210> 104
 <211> 431
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(431)
 <223> n = A,T,C or G

```
<400> 104
caaaacngan gacccagcct tgtgtgcana ngccgctgaa cnnnngaaaag cccgaannga 60
ancananagg ggctcangac gctgtgagac ttttccattt cttttgcctc ccagcaggcc 120
gnгааagagt cacttttcc tggaggaagaa agaaggctct gtgtgcaggg caaggggtaca 180
gtccttctaa ccaaaaagatg tgtgtgctgc atgggatgtg gccaccgaca ttcattttnnc 240
ttttactggg acttaacgaa ttccatctct cagtagccat atgccagggt cccaccctgt 300
ttcctctggc tctggagggg ggagaggaag gacttgcttt acccaagggt ctataaggaa 360
tcttgggaaa gacactgccc cttaaatacac tttttgggca ctggtgtcac ctttgtgtca 420
cttgtgtccc t 431
```

<210> 105
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(414)
 <223> n = A,T,C or G

```
<400> 105
gacccagctt gtgtgcacan ncnncnngan gacaattgca tcaactggctt ctaccacttt 60
gacaacaggc agcaccaaaa gcagggngcng gaggactaag gacaactgtg ttgaaactga 120
gtcaacagct ctgtttgagt aaatgatcca tccttgaatc gtgtatgcag agacaagatc 180
agcagttgga ttgttgtttt aataaactgg aagtctgcca acattatctg ggaagaggac 240
gaggacatta atgctagcat gcaatctagc cgtgttttgg ttttaagacag aatttaattc 300
tcttgccctc tttcctttcc ctctccctct tttcagncct tttttcctta atacacaagt 360
ctcttttatg gagttaactc aagctatctt aaacagcatg aactaataaa ggca 414
```

<210> 106
 <211> 435
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = A,T,C or G

<400> 106
tcatgcagac acctgatgga agangtccttc caggcagaag gaaggacaaa tacccttgat 60
atacatgtac ttggccggca tgaggaagag caatgtggaa gcctactcaa tgtgaagaca 120
aggatgaaga cctttatgat gatccatttc catttggtga atgcctcttt caaaagaaga 180
cgtaagacat ctggtgtcaa gaagaataaa tacaatacca ttaaagaatt ataaacagaa 240
ccagagccag agaagaatac catttttact tgacagatga ctgacacaaa acttggttac 300
acagacgaag tatttaagca agatactttc tcgaaaatga acaacacgcc gactgncatt 360
tcaaggaaac caactgacaa catttctctgt taggacaaaa tacaagtttt caaccaaatt 420
ttagaattta ggaca 435

<210> 107
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

<400> 107
ggaattctaa aagtccaaac tccatctttg gacgccaaac cggactgagc agaagaatct 60
tctggtatgt gaactagggt cctggttctg gttatcagct ctctccacc taaataagac 120
ctgattccca ggcaccacat gctgatgtgg tcaggaatga gatggcacct acctctgcag 180
cttggcagct cctcgaatgg agacattggg tcttattcac ctctgggtct ttagcaccca 240
gcacaaaggt cagacagggg ccagacgcag ttgtgccac ttttcgaggc tagaaaataa 300
tgatctaagg aaaagacgat tttgaggnet tcagaaaggg aatacagcag caaaagccag 360
ggagcctggg taacttcttt gagcacttgg aaggataaan aaatccatac cctggaaaat 420
ggnggtttgc ttaaatg 437

<210> 108
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(383)
<223> n = A,T,C or G

<400> 108
ctggggagct cctgcattaa gnnataactt ganggaagac aaccaccatg tcctgaggcc 60
actcaggcag cctacgaaga ggccacatag agaagaacag agggctgcag tctacagcta 120
gcaaggaacc acagcctgcc aacaaccata agagcctgcg tgggagggga ccttccagcc 180
cccattgaca gcctgagtgc aactccatga gagacgctga ggagaatcaa gtacgtaagc 240
ccttcctcaa ttcttgactc tcacaaactg tgcaagataa taaagattcn ctcttttcag 300
ctgcaaaaaa aaaaagggnc ngggggggccn tttngtngg ncttnancng ggggaanttn 360
ttnnaaaggg gggggccccc ccc 383

<210> 109
<211> 79
<212> DNA
<213> Homo sapiens

<400> 109
gactttgctt ctgggaagat ggagtacttt tccttattct ttccacaaac gacaactaaa 60
atccctaggc attatatat 79

```

<210> 110
 <211> 473
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(473)
 <223> n = A,T,C or G

```
<400> 110
ttctgtnacc tcaagcggca tccctgggcc ctggtctcca agtcccgatc ctgtctgaaa 60
aatggcgctg aaggcctagc acanggcagc ctctacctca aagcaccatc ccgcttaaca 120
ttccaacggn gectnaaang aaaaaccctn tgggtggggtc caccaaaaac ccctggcctc 180
catgtgctcc ttctggcccc caaggacagc ttgacactnt ccaggaagna aaggccaang 240
ggnaaccccc tttgcaanaa nacttatttc ttaaaaaaga tctnggnttn tanantcaan 300
ggggacctgg gtttnaaagt ccccggcatt ttgcccttct tgaacttcac canttgtttc 360
aacncntttt ngggccactt ccacctttnc cccttcatnc tngggaaaacc ctccangttt 420
ttncctccat tctggggnaa gtccaagggg ggngggngng ggaccccacc ctt 473
```

<210> 111
 <211> 417
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(417)
 <223> n = A,T,C or G

```
<400> 111
ttctgtcacc tcaagcggca tccctgggcc ctggtctcca agtcccgatc ctgtctgaaa 60
aatggcctga aggccctagc cagggcagcc tctacctcaa agcaccatcc ggcttaacat 120
cccagcgggtg cctcagatga gaagccctgt ggtgggggtcc accagaaacc cctggcctcc 180
atgtctcctt cctggcccca aggacagctg acactgtcca ggaggaaagg gcaaagggga 240
agcacgtggc aagacactca tttctcagaa agtctggggtt aggagtcagg ggacctgggt 300
tcaagtcccg catctgcctc tgactcacia gtgncacctt tgggcactta ctttcccttc 360
gctggacctc agtttctca tctgggagtc aaggggggtg gaccagctga tctccgg 417
```

<210> 112
 <211> 262
 <212> DNA
 <213> Homo sapiens

```
<400> 112
agatgggggtt ccatcatgat gcccagactg gtcttgaact cctgagctca agctatccac 60
ccaccttggc tgaaatggcc tgacatgatc agcactgggc gtgacccaaa gatggaatga 120
agaacatgaa tggatgactg tttccttagc aacaagaacc atatgtttcc tttgaaacaa 180
gaaacaaaaa gaaaagtcc catccatttt tctttccacc aattcaaaga ctaaatagta 240
gtggcttaaa attataatgt tt 262
```

<210> 113
 <211> 229
 <212> DNA
 <213> Homo sapiens

```
<400> 113
gctcaaccaa atgcctctgc caggagaatc tttcagagtg tcttggaaaca ttggaaatag 60
gcttaaagct taaatgatga atcagaagag ttatgctgta ttctaagtct gccactaggg 120
ccacacaggg tgccaacatc caatctcaag atcttcggga aatatgctca ccttccaaaa 180
tacttacaga tgtgtctcct cttttttgta aaataaatgc tcttcttat 229
```

<210> 114

<211> 318
 <212> DNA
 <213> Homo sapiens

<400> 114
 gtgctgcaat caagagaaag agacagagcc aacttgacaa gaccacgttc tagagagaag 60
 gaaatatgag aggctcaagg gcagggtctgt gaggacaagc aggggagatg agatgaggag 120
 ctggctgcat ccaaactgca atgaacctat accatagaac acagaacaca aacattgaac 180
 ctgctgagcc tgtatgaagc tactatccca ggactgtgaa aagtagacta gttgaggaag 240
 aattcaagtc gacactgaac tagtggtaga gctctcatca tacagatcgt tggaaagtag 300
 catccccgaca gttctgag 318

<210> 115
 <211> 426
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(426)
 <223> n = A,T,C or G

<400> 115
 atgcacagan aattttctgac cttgngacgt ttgggagtga ggagatccca tacagaggca 60
 tccangnatt tccagagatc ctgtggcngg tgaggntctg cctcncctgga nccaactcgt 120
 ctataatatc ttccctaacag cangagtcgc ctgctgggag gagaggagaa gacagactaa 180
 gctgcgcgta gagcggcatc aggagcaagt taccgttagc atgtgtaaac aaaacaactc 240
 gactcctctg tgtcagaatc aacaacatca aagctgataa tgtggctggt tgggatcaat 300
 tagcactgga ttttgcccca agattgcttc ccaaggcggg caagtgggag ccacttcatt 360
 ttccagcgac ttttacttcg ntcacgggca tatccacgcc agggctgcag aagcatttca 420
 aaaggg 426

<210> 116
 <211> 229
 <212> DNA
 <213> Homo sapiens

<400> 116
 tgacacacgg agaggaaaca tcagattgct ttttatccgc atctataagc ccgggtcata 60
 actggagaaa aagccaccat caaccagaa ggccaacttc cataattata tgaatcgttt 120
 gtgaacattt atggattaaa atgtttgagt aaagctgaaa tcggatatta cagtccatga 180
 atagttcatg ccatgagaca aaaaattaaa gaaaaaattt tcattgatt 229

<210> 117
 <211> 430
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(430)
 <223> n = A,T,C or G

<400> 117
 catgaactga ggtgttccat ggttggtcag ccatctcca cccccaaggt tgccttccca 60
 gaggctcaga cccatgcccc agcggttatg agatgtcttc tggaagaacc ttaatcaaag 120
 gccaccccc acttggtctg aggagcagca cattccaccc atgctgagag ccactgggtg 180
 ctcccagctt ggtctgtatc ctctgagca gctccacccc cctgaaatgc tttggagaag 240
 aaagaagagg aggccatggt tggaaggaat gcagcagcag ggccttgggg gagtccccgc 300
 ccgggtgagg gctgtcactt accacctgga ggacctaaaa aaggcgtcag aagcattatt 360
 aaacgaactt gaaaaaggcc cagtggggca agcttntggg gctggcatct tganccagtg 420
 ggtgcttggc 430

<210> 118
 <211> 435
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(435)
 <223> n = A,T,C or G

```
<400> 118
cnaaactnna aagggcncnt nccagggttaa aaccncann cccaaaaaaa atnggggttaa 60
aaggctgncc ttnggctcca tcaacactct gctagccaac actttggccg caagttcact 120
ctgctatcca cagctctggg gcacttctct ggctgtctgt tagtaaccac taacctaacc 180
caacctcatt ggccaggtaa aagctatcga aaataaactg aaaattgcta tctctatatg 240
nccatgaggn ttaatacagg aaaagctgat agtcaaaaagt caagntcaaa tggcatttgg 300
tctccacagt gaaaaaatgn ctttangctg gaataccaaa gaactnggga ggcaacaccc 360
ggacctgnct tcaaaagatt ttnatcttcc cttttccctt ggntggcagg gcctaaaatc 420
aattcccagg gttca                                     435
```

<210> 119
 <211> 405
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(405)
 <223> n = A,T,C or G

```
<400> 119
aaatggggaa gattgaagca aaaaatggaa caggttaagg ctatttatga agtaagaaat 60
ggttccccctg ctactcttgt gaagtttcca ggtaccaaaa gcaaacttcc tcctaacgac 120
tcagggttcc aatcttttct cccttaaaaa tacaagatcc agaagaggag ccctgtcaga 180
tttccattca acaaaaaccgn tggggttacc aaccttacac tggaaacaac aagctcaaaa 240
gtggactctg aaacttgctt tttaaaaaaa gcgtttcaag cgataagtgt aacgtgctac 300
agcaagttaa gacatctgca ggtctgatgc agtcattctc tgggggggtt acccaacaga 360
cacacacagg gccaggcacc ttttcttctt tagcagcaga agaaa                                     405
```

<210> 120
 <211> 424
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(424)
 <223> n = A,T,C or G

```
<400> 120
gcgctgaccc acgaatgcaa ctctcagccg agctgtccct gccggatttc aaacagctga 60
agaagggctg ggagaacatc aaggcttggg ctaaaacaat tatggcccat gaaaggagag 120
agaaggtgaa agggagcgtc anccccctcc tgagtaacca agtcctaggg aaggagatca 180
ccancatgct gctggagcag ctctacttcc tgcagagcac tccttccacc cctccccccg 240
gaggaggagc ccaaatacca cgccacggcc caagaatcat ttgctgtttc aaatagagaa 300
ctgggcgatg atgaaaaaag aagttcatac cgtttttcca acaccgtgaa aaggacctnt 360
taaaccctga accctcgtgt tcaagcttgt naagaataac agccaataaa aactacattg 420
agcc                                     424
```

<210> 121
 <211> 422
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(422)
<223> n = A,T,C or G

```

```

<400> 121
nnnaactgaa ataangaagg atnggtcaga nanacagcca acgggtgtggc caacaatcac 60
cactccagag ccctgcccc tctagggcgc acgtgcatgc ctctgaattt cctccccctt 120
ccttggtcca accacagtcc aggaaagcag attttctatg ccccggtggca atcacagtgg 180
aaaatggaag tacaatggag tgctgtacct acccaagcac caggaggcag gagtcgagct 240
actcacagac tccctagagg agaactccac gcacccaaac tctgctgtgc cccctctgag 300
ttctgagcat gccagggtgag gcctctccct ctctntntnc cttcattcca agtttttngg 360
aaaanaaagc aagcagcccg cgtgaccaga cagagccttc cttgctaata aaccatcct 420
ga

```

```

<210> 122
<211> 409
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(409)
<223> n = A,T,C or G

```

```

<400> 122
gcttantagg tattccattg ngentacaga cctcatttnt tactccattc atnngntgat 60
ggctgnanct tggtctttga gaataangca ccaangaaca tgggagngca gcaaagctca 120
tgacattaca ggaggagcag agttctatca tgtagaaggt cattcaccgc agcatgcttc 180
cttatcatca tctcatcttg tgccggtata caagtaagat cagccagctg ctgaaatctc 240
taaggaatat ctctccatgg agacagagcc agacggccca agtctcttct ctgttcttga 300
gttcctgttt tcaagtaatg atttggataa actgggagaa ccagtttcct ttcctccaac 360
tctggcaagc tgaaattaat tctccaaaga ctctctttg gaggcaagc 409

```

```

<210> 123
<211> 419
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(419)
<223> n = A,T,C or G

```

```

<400> 123
gcgctgggga gctcctgctt taagtnanan cngaaatcac ccangtcann aagganaang 60
aaaatanaag ggcaanctcg ctgtaaagaa nggattactc aaangtngaa ccaaagccgg 120
gggaaagaac atggaaagca gtggagagcg accaggcagg tcgctttctc tttctggtcc 180
tcaaccacag cactgccgtc ttcagaacag taactattac ttgtccatac caggcatctt 240
caatactcct caactcatat caagaattct gccagtccta aacagacctc catcctacaa 300
aactgaaac cctaaccctt aaccttatat atatccacct ctcacttatc cttcttgaga 360
cantatgaaa aacaaagngg cagtttcctt tactggaata agtattaaat tttgcttgg 419

```

```

<210> 124
<211> 410
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(410)
<223> n = A,T,C or G

```

```

<400> 124
gagccgcaaa gacagcctgg aaagtgacag ctccacggcc atcattcccc atgagctgat 60
tcgcacgcgg cagcttgaga gcgtacatct gaaattcaac caggagtcgg gagccctcat 120
tcctctctgc ctaaggggca ggctcctgca tggacggcac ttacatata aaagtatcac 180
aggtgacatg gccattaccg tttgtctcca cgggagtggg aggcgccttt gccactgagg 240
agcatcctta cgcggctcat ggaccctggg taaaaattct gttgaccgaa gagtttgtag 300
agaaaatggt ggaggattta gaaagatttg acttcttcca gangaattca aacttcccaa 360
agagtacagc tggcctgaaa agaagctgaa ggtctccatc ctgcctgacg 410

```

```

<210> 125
<211> 358
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(358)
<223> n = A,T,C or G

```

```

<400> 125
cnnanactga gagataggan ctgcctacgg ttgcctgggc tcaaactcct gggcccaagc 60
catcttccag catttgccct ccaaagttct gggattacag ggctgcaca ccaatgaaac 120
tactgatatc agctgttctg aagaaaccca gaagagactg aatcaccaaa gagtgcagtt 180
tcacatcctc gatgatttta tcctccttac tctgaccaa cagtgcacct aattttacag 240
ccccctcacac cctataatca tcctaaaaac ttcagcccag aactcctcag gaggataatt 300
tgagggtttc tcccatttcc ttatttggct gcctgtaat cattaaacac tttctctg 358

```

```

<210> 126
<211> 488
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(488)
<223> n = A,T,C or G

```

```

<400> 126
gtctggggag ctctctgcann annctgnac tgagagttgg ctnangagaa gatcaagagt 60
gccatctgga agctcagggc natgagaaca acctggggcc tgggtctctca agccaccatc 120
aaccacaata tcaacanaaaa ccagaggggg aaacgacctc ctttcagcan gactgggaaa 180
cccttgaagg caggaactga gccttcattc cagcactaac tcaacaaaca tttcctgagc 240
tgtccctgaa gccaggccct ggctgagaat gctgaaaaga ttcagagcag atacacgtgg 300
gctctatcac acaaatttca tccatgtgtn ctaccaagt gataccactt gctctttctc 360
tgggctnccc cagtccttga cacagaactt tttggtcacc aacctaatca ttcanggatt 420
ataactgttt acatgtcagt ctctctctt cgtcccttga cagcagggat atggntggcc 480
cttaatgc 488

```

```

<210> 127
<211> 437
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

```

```

<400> 127
gtgaggncac acgtgnaaca acacgntgtn tgtgaaccat gaaagggagc ttcgacngac 60
accnnacctg ccacagcctt gatcttaacc ttgcnagaag ncacaactga gagannatnn 120
nnnntgtggt ttataaccca nccagtnat gatattntgc tncannaacc tgaatggact 180
aagacnctcc ccaccatgan aatgtccaaa cataatgnga cagatgtctt tacatcantn 240

```

```

gtggatgctg ngacanaggc ntttacaaac acagagcaac ccagggagct gatcagcatg 300
aatgaggctg gaaggaggct cananaatcc atctttccag tgaacttgga acaccagaaa 360
caagtggagc anaggggaga gaatntcttt gaaaacgcag ttgggagaca gagccangta 420
acgggaaaga aacaagg                                     437

```

```

<210> 128
<211> 438
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(438)
<223> n = A,T,C or G

```

```

<400> 128
attaaaaaga aaaaagaaaa tcaggtggga taaagagcct caggtctaac tgaattgtca 60
actaatgatg gtctgagagt acctgtgctg aaatggaatt gtctttgagt ggacacttct 120
tagatgagac ctattgtggc caatagctcc tgaggaaactg aagccttcag ttcaaaactt 180
gtgtgagaaa aatgaatctt gccaaactact ggagtgaact tagaaatgaa tccatcccca 240
gttgaccctt gaatgtagcc ttgtcagaga ccagagagaca aagcatcctg ctaatctgca 300
ctgggttcta ggcccacaga aacctatggga taataacttt gtgntgnttt taacccttg 360
aaaccaacca aataaaatcc ttaagatggt cccctgngga agggttccat tggcagggat 420
ctgcacttca caacaaaa                                     438

```

```

<210> 129
<211> 442
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(442)
<223> n = A,T,C or G

```

```

<400> 129
ggcaaattaa ccagaaagag tacttcagag aacacagaca aactgccgtg cagtgaagag 60
aatgtggcag gaagcccttg tattctagaa gaagctctgc ccactccaga caggatccgc 120
acgcctagtg ccatgtctat ctccaaggag atcacattct agagccaagg accgccactg 180
agaagaaagt aaccgtgagc cgtcagaatg catacctgga gcgctccagg aaggaaatct 240
cagccccggc atcctccatg gtcacacgga gagggcggtt gtcctttagt ctttgccct 300
gagatgggag ctagagctgg acacaggggt ctagtcctgg cttttgtgga aacaagttcc 360
caaacctggn gcaagngcct tacctgtctg ngtaatgggg ggagctgatg tggatcatct 420
ttaagccctc tgcaagatgg ag                                     442

```

```

<210> 130
<211> 440
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(440)
<223> n = A,T,C or G

```

```

<400> 130
gaggtggagt cttgccatgc cttccatta caaaatcctc ctgttccacc tgcaaaggca 60
agcaccacag gtcagcagca gtcagtaact acaatgcgac tcactccaag aacccacacc 120
tgccctgtgc agaaccacag ggccgtttca ctgtggggca cagaacagaa gcctggggca 180
atggttttca aacttctcct tgagtgatta gatctgcaga aaaaaggaaa catggtgatc 240
ggcaaaacac ataactctga caaaggatta gcactagaa tataaaagaa cggatgatga 300
tcaatgagac aaagacagcc tactagaaaa atctggaaat aaccaagcc gggaatttcn 360
ntgaagagaa cacataancn gttntaatat atgaaaagat attcaatctt atgtcagtc 420

```

agaaaatgca aattaaaacc

440

<210> 131
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = A,T,C or G

<400> 131
gaagaaaatg ttaaaaagta ataaccaaag aaaaagtcag ccaactccca cagcctgggc 60
ttgctgtgct gaatggcaga gaagatcaca gaggaagaaa aaagaaaaag acagaaaaaa 120
ggaggcggag aatttcttgc ttaaactgga cctagtccag ctggcaagaa gaggtgggtt 180
tcttaacgcc tgcaaaaccc gattactttt tttaaaggaa tgaagaagaa ggagatgtaa 240
acacagccat taaaacagat ttaaggctact tagttttaat ctagtctaag accttttcaa 300
ttgtatgctg ctctgcaatt ctctgcttgc tagacattaa tacngngcat aagcccntgg 360
tcagngtctt ttaaccagng aacgctttca gctgagctct gnggttacct tctcaggtca 420
ggcatggaag gcct 434

<210> 132
<211> 437
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(437)
<223> n = A,T,C or G

<400> 132
gtaaacccag ttcactcagg cagaagcaag aggaagaaca ttctccagc tctctctcat 60
gcaggcccgga gaggtgggag ggcattctgc cagcccagta tatccacttt gcttcgacaa 120
atgtcagcct gccagaata aggaagtacc cacagccggg aaaggtaaata ccaaaccctg 180
aaaagacaga tactgagcat ttgaaataac acagcttgca gcgtccttgc ggagccctgt 240
ttatggggca ataaaccatt taaacgactg tgtggttgaa cccacaaggt cgccttgaaa 300
ggctttttcac agacactgct agtagggctc caggacctct ngaaggccna gatngggggg 360
nctttttgct tntgcttgaa gcttgntggg tccccctcat cangaacgcc agcccctgga 420
gaggctgccca tgagaaa 437

<210> 133
<211> 341
<212> DNA
<213> Homo sapiens

<400> 133
gaagaaacac aagattttaag gttgtttgtc aactgacagc cctttctatc aacaactaaa 60
taaaaaaatc tgtattccag aaacatgaca cttcatgtac caccattttt cctcataaga 120
aaccaaaagg tgtccatgac ttaggtacta aatggcaagg ctggaaccag aatccaagtt 180
gccagtcac acagttttgg tttttaaaata accaaattgg tcaaaaatct tcttcaaaga 240
caaaaacaga tgaaggtaaa atgccaattg gttaaattta aacagagact tcactttgtt 300
cttttcaggt tcaataataa acaattctag tgattagcat g 341

<210> 134
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(442)

<223> n = A,T,C or G

```
<400> 134
gagtaaacga tcccaattgc agtatatctg nggntcatct ggctttctct cacaccacct 60
ctgttgacat gggaggcctg ccggccacac atccaggaag tatgaaatca gcgggggtcc 120
tccccttctt gctccaggga agcctgagag ggactctgca gattgcattt ggaatccatc 180
tgccaggagg gggtaagaag aagcagagtg tcaccgggta agagtcgaca gttttgaaga 240
ctcgtagctg cgaatctttc aggaaataat ccagaacagt ctctctgctg gacaggaaag 300
gaaacctatc ctagagaggc gaatcctctg tcctggacct ctgccccana aaatgggtca 360
ggggaggggg tnttttgggg gngtttcnac ctgctgcttg cagggcttcg gttgccaaga 420
gtttcccca taactaaacc cc                                     442
```

<210> 135

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(434)

<223> n = A,T,C or G

```
<400> 135
tctccatgct ctggatagag gaggttcaca agccagggcc tgaagattaa cagagctttg 60
aagccaaaag gtgacccttg gaccatggac ttgcacctc ctttcttaag ggctttaaaa 120
tagaaaagaa caggagctag aagatgaggc agaagtcgag gacttctgtt tttctggaag 180
gctcctctga gccacaagg ccagggtgtt tctggatttc agagcacaaa gaggtccttg 240
gagccagcca tgggtctctg aggtctttac caacttgaaa gcagcctttc tccagggcag 300
aaacgaagca tctccccagc gctcgccatc ctcagctgnt ctttacaaca agaactttac 360
aaggatgccc ggatgaaggc ccaananacc cgcgttcttg gcaagccact tttaccacac 420
cgactggatc cccc                                     434
```

<210> 136

<211> 433

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(433)

<223> n = A,T,C or G

```
<400> 136
gtacctaaagg cagtaaacc ccaactccct ggaagggccc actgggcgct cacttcgctc 60
cagagcctcg cctgggttcc gcttcgggat ccggtcaccc aaccagctc tccagttgct 120
gctgtttctc gtgagactgt cagagtgaag ggggtccaaag ctccgacttc cagcctcaga 180
aatcccaact caggcaggat cagcgaagcg tccctcgagc tggctggagg gagagccagg 240
cggggccag gctgccactt atcagggtctg taaatgccac cctgaggccc acgctgccca 300
acactgctcc ccacaagact aagtcctgca gcctcagccc aaaaagaacc ggcctaacc 360
ccaaaacgga nggtcatgtt caagccacac ccagtgaa cctggcgacc caccacacag 420
tgccctgccc tcc                                     433
```

<210> 137

<211> 443

<212> DNA

<213> Homo sapiens

```
<400> 137
gactagaact attgccactg aggggcaggt ggggaagttca gccaaactcg aaccggagg 60
ccccacctta cctccctttg tgaagagccc agagcctttg tccaaagctg catcacttcc 120
caccagccc ttcttgagcc aactccccga tgtctccaga agaacacagt cggcatcatc 180
gtgataacat cagggaact cctatttcca gcagtttctc cttcagctgc aaaaatgtgc 240
agcagtagac agggcgtagg tttttgaagt ctctgcagga ggtagagtta ttttctcagc 300
```

```

accacatctg agcgcatctt ctaaggggtg cgcactgtgt gggaactgca agagcttaac 360
ccgggatgca agccctccca ttccccaccc tgtccactac caccacgcct ggatccgaca 420
ggcagggcag gaccccatgc ccc                                         443

```

```

<210> 138
<211> 405
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = A,T,C or G

```

```

<400> 138
gctctgggga gctcctgcat tannnctan ctgagtatca tccntctgcc atcaagaatg 60
taagtatgaa gaatgttccg acactgctcc aggactgtct ttcaagccac tgacaaccat 120
cctgcaaatt ttgatactgg tgcctgtttg gtgtccctag aggatctaaa tgaagatgtg 180
aaaacaacaa ctaagaaaat attttaaatg gcaattactc aacacgagaa gttaaaacaa 240
tgtccacact gagactgaaa tgacagcaac agaaacagca agtcagagcc atgcctgtac 300
aatgacaact agatcaaaaac tgccacctgg ccaaaaagcaa tactcagatg ctattaactg 360
taagacagtt aatgggtatgt tatgaggtga aaaaaaaaat tcctt                                         405

```

```

<210> 139
<211> 448
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(448)
<223> n = A,T,C or G

```

```

<400> 139
ccnttttgat cccacacctac aactgggcat cgctaacaac ccatgtgagg tacctaggaa 60
gaatgagaag cttccagcaa ggcagctgct tccagcagca agctcctgca tagcccacag 120
gccattccag ctcaatgctg gagaagaatc ttccccctaa cagcactgcc cagcactacc 180
caactaaggc ttctctgggt aaactgcccc aggatgcccc aagaacttgt ttctaaagga 240
aggaaaacag atgccaagac ttcttgtgct ttctccaggg ggctcagagc agggccctgat 300
cactaccctg gatgcacaaa gtatctatca aattcccaca aggtanaaag gggtgcccag 360
aatgggaaga aacttcaata ttcgaaagtc ccaatcacag aagataactg gcaaaacagt 420
tctactaagc aagcacagag ccatttgc                                         448

```

```

<210> 140
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

```

```

<400> 140
aactgagggt gtggtggtca agagcaaggc cgaggctcac ctgtgcccac ttggttccgt 60
acattgctca cttagggcat catcgacaga gtatgaatca gctccccaat tagcctgacc 120
gtaatcacct gtgttgcttg attattatac aaattccccg acctcatacc gacctactga 180
atcgaaatct ctaggagtag attctgggaa tctgtatcgc tggtaaagct cccaggtgat 240
tcctataatc tggcaatgtg ggagacacga gcattaaggg aaccacagca caggctccat 300
cctctgccta acatcagcaa cctcagcaga gacttggtcc cagggaccct tgttccntta 360
tgtaccccaa gacactgtcc ctaaattgng cacaaaagca agactcaggc ctgtctcaca 420
cactggcaaa gctgctgccc cccagctcaa accagctc                                         458

```


<210> 141
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(451)
 <223> n = A,T,C or G

```
<400> 141
aagcttgtga gacctcaatg agtcatgaag aatcctaatt tcaaatccaa agaatccaaa 60
gtgatgataa caaaaagcaa taattgatat ctgaacaaag attcttgggc agccgagccc 120
ctcttgaatt cctcagccta ccatcatgat caacacctcc catgttccgt ccatgaatga 180
ccgcactgac agcactggag agatttaatg ggtcaccaat tgaggcagtg aaggcactca 240
tggcactcag agctggaatg gggctgatct gagttgtact gttgactgca gtggtgatga 300
caacctgcat tcctttgctg gctgcacga caactgcttt gtnaatgggc attntaccgg 360
aagcatcacc tggggccacc cacaacgagg ccatncttca cctgttgacc aagagatggg 420
tcaatcctcg gttgcaactc acaaggtgtt c                                     451
```

<210> 142
 <211> 450
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(450)
 <223> n = A,T,C or G

```
<400> 142
atcccttctg gagctgggtcc taattgcttt tcacaggagg gatgcaaact ggaaagtctc 60
tacctattca gcgaaggcac tccaagtcct gggctctttt ctctcgggg gcaaagatga 120
gacttctctt ctgtagagat cacaggtgca tctgtacagg ttggagtgtc cccccaaccc 180
tggaccctta ggagcggccg tgatttgtga cacaaggccc caccggttga tctactcttc 240
acacagccgt ggagagccaa gaactgggag ggaggaggaa atttgagac agagacacac 300
agggagaacg ccatgtggag gtgaagataa agaacacaac ggtgcttntt acaaccaaac 360
gaatgccaa gacctccagc aaaccaccaa gaagctcagg gggaggcaca gaacgaattc 420
tttctcacag acctcagaag gaaccaacca                                     450
```

<210> 143
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(452)
 <223> n = A,T,C or G

```
<400> 143
tcagagttta caccttactg tacggctgac cacctgaatc ccaatctcac gaaacaccca 60
caacccttgg gcattccctg ggcactaccc agcaaagccc tatctttgca tcggtctcag 120
aaggagtctc ccagatgctg caccagctgc ccagcgctgc tggaggaaat ctccaccgct 180
gcagaaaggc catecctcca ctccctggac agccctctcc acgtcaccca cctgggtcct 240
ctcctactcc ctttggtgcc tggcttttcc cagcagctgc ctaccccaa ctccctgcta 300
ttcaagccct gnaggcacct tgactcctaa atgaatgaac ttaactgctt gccctgcccc 360
cttattgatc tgccagggtt tccacccttn catctnttca gggcctgcct ttgcagcaca 420
agccaggctg ccatcacctc atgttccaat ta                                     452
```

<210> 144
 <211> 258
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(258)

<223> n = A,T,C or G

<400> 144

```
ctgtcctgag agcacgtctc tacatctcta cctgcattct ggaatcaagg ggaaaaggcc 60
aaaacggaca agaacactag aatcagcccg tgtcccaacc ctttgactac aagggaacttt 120
tccccgctat ctgtggtggt gggatcatg aaaattatgc acaaaccctt ttttttttta 180
anctcatcan ctntngttag cattagggna ttnatntgg ggcccaggag cattnttttt 240
ccaanggggc cctgaaaa                                     258
```

<210> 145

<211> 445

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(445)

<223> n = A,T,C or G

<400> 145

```
gcactcattc tctttcctgt caccctgtga agaggtgcct tccgccatga ctgtgctgaa 60
cgtgtcctcc aagggtttca aggttatcgt atgccctgaa attgggcaag gagctttaag 120
agggaaacttt gagtttgcca gagaaaactc aagatgtttc tacatgaaga aaatgggttc 180
agacatttga cttctttaat ttttgcatc tctttgtgat ggttgtagc aaagacctaa 240
agtggttgta tggctatttg caaaggctga gtgtgacttg atattggctc aacttgaaaa 300
ctttgatatt tgatgnttgn attcaaaatt ggaaacaaag gnggttaaaa agggngggata 360
tatgaattat gggggggcat ataanacttt gcagaactta cctgcncctt atatatatttc 420
tgccaaaata gntgttggtt tgatg                                     445
```

<210> 146

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(437)

<223> n = A,T,C or G

<400> 146

```
gtttgcctgt ttcctctggt tccagtccaa gcatttgtgc tatecttcga gtctttacaa 60
attgccctga aataatatgt gctgtgcctg cctctgtaca gttagctca cttttgagac 120
atttcgttgt gtttggtcca acagcgggtca attgtgttgt atttacccca gaaatcactg 180
ctaaccaccag cataccagcc gccctttctc gtgagcttgt gagtggttta cggagcagaa 240
aaagagttaa tcgatggata tgaattaaac acaggaaacc agcactagag gaacctcaga 300
ctccaggcct aaaaccactt gtgactggag tgacgttaat cacaaganaa gggagcctcc 360
atggtaacag gatgctgaaa cctgacacat acaaggnaact atgcactttt caaagcactt 420
acatttgatc actcttg                                     437
```

<210> 147

<211> 453

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(453)

<223> n = A,T,C or G

```

<400> 147
gcttcagttt aaaaggactg cctgtcctag ctgggattgg agaattgaga gaaaggcatg 60
tgatcctccc gggacccaga gagatcagca gaccagaagg cctacatgta cactggaaag 120
ccccaacccc aggaatccct gtacgacttg aggcattatc tcaactgtgca tggctgaagc 180
ggtagatgcc atcattaccc tcatttcaca cctgcagaaa ctgagggtata gaaacattaa 240
ctgggtctagt cacgagggat tctgtgatgc ctgagacata tgacctgccc tccaagacca 300
taagtgcacag accaagaatt tgatcccatg tcttgnggn cccacaagnc tggggccttt 360
accattanag caggggtttc ctctgggggt tctctgtcc ccaggggaca tttggcaaca 420
tctggaaaca ttttctgtg tcacaaatga gct 453

```

```

<210> 148
<211> 451
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(451)
<223> n = A,T,C or G

```

```

<400> 148
ctgaagagca ttgaccaagt tattatcttc aactctctca aaggggtgaa gagagaaaag 60
caacactgag tcaactggct ggnttttcat ccctttctct tcttcagttg tgggctggag 120
agagatgtaa ttccaggaca ttggccagcc ttttgttatg tggatacgct ttacacaact 180
acagtttctc catcagaatg aaatacagac aaaagctgag gaaatcagtc ttcttaatag 240
atagaaagtg atcctttctg cctccaaata aaactgaatt ataacattct tcgtatttct 300
ctgggtacac atctgggtta aaaattagaa gttaaatttt aaaagtaggc agaaggtttg 360
gttttttagaa gaaaagacat tttaactgta atagnngatc attattttta tgcttataaa 420
gtccaatcaa agataaatgt caaaccataa c 451

```

```

<210> 149
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(351)
<223> n = A,T,C or G

```

```

<400> 149
cnaactgaga aaagcaaaag atatttgcca atgaacaata acctggatgc tcaaaggatg 60
ataaccctga ggttgagggg taccaagtac cttgtccaca attcagcaac aatgggacag 120
gtgtgataca aacctctttt tccatcttgt tctctttctg cttgaccatt gcaccattga 180
gagaagtgaa acttgggctg agtctacaag gggcacccaa aataaccatg gtgtgtttat 240
gttcatttaa aatcataaaa tttgtgtagg aaataaaaaa aaaaggccng cgaggccnat 300
tcagcttgga cttaaccagg ctgaacttgn tnaaaagggg gggcctccca a 351

```

```

<210> 150
<211> 244
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(244)
<223> n = A,T,C or G

```

```

<400> 150
ctctggggag ctctgcatt nctacctncc ttnagatana nctgnnggct ggaatgtana 60
agtggacttt tggccacgtg gatgaggaat tgaagcagtc agttctgac tagagatgga 120
aggcgctgc tgaggacagc agggctgctt ggcacctggt gtccctgaat ggctctgtgg 180
agcactgect gatggcctac cctggactgt tgcctgagac agaaataaac ttttatcttg 240

```

ttcc

244

<210> 151
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(573)
<223> n = A,T,C or G

<400> 151
gttttcaagc aaantggcng taattggaag aaggnaaaac gcccaggggtg ccttaattta 60
gggnccgtgg ctccnaaagg tnattcggtc cccgggtttc ntcaacttgt ngaatggatg 120
gaaaagcaat gngtttacca tttgggcgga aattttgaaa aatcattgga tggaccacaa 180
gaagcttggg ggaaaaaatt tgtttgttgg aaacctcaca agggcaaggg ctaaaaacaa 240
aggttggtggg ggggggtggga tcaagcccca agaattttga ccgtngccaa acctcaaaaa 300
gaccttgagg aaaaaaatgg gccaagaaat aaaatcttgc tttccatccc cgcccaaggt 360
tttgggtttt caatttggtt cttggaccaa ccttcaagct tgggcanttc attngggacc 420
canttgnaaa gaaaagccan ggaaccgaaa aaaaccccn ccnngggang ggggaaaaaa 480
atcctngggg gaattttctt tttttnttaa gggggatggg taaantacca ttattatttt 540
taccnaaat aaaaaaatgg cctcatggc aca 573

<210> 152
<211> 845
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(845)
<223> n = A,T,C or G

<400> 152
gctacgatgc tggmntaaat ctttggcntg gcttggctca cttcttttgg ggtccacca 60
cttggccttt tattgaagct tggtaancac ttnaccant ggaanggggt cttggcaagc 120
tttcacttcc ttggaaaagg caggcggaag aaccacaaa aaccacacc gggganggaa 180
atgaaacaag ctggcaagga acgcccggg ccttttaaag atgcctggta aaccacttca 240
cccaaggaaa ggtcccga agcttttact tctttaaag cccaagccga agaaccaagg 300
gaaaccccc acccaagaaa gggaaaaaaa aactcccga acaacatctt gaaaccatca 360
agaaaggaaa caaacctcc cgggaacacc gccttgccct tttgaagaaa cttgtgaaca 420
cttcaccccg tgaaggggtc ccgcccgtt tcatcttctt gaaagtcaag tggaagaacc 480
aaaaganacc cacccaaatt cccgggacat tgtttcctt actttcctt taataagctt 540
aattttaaatt ggtgaacttt ttctcggagg ggttgggctt tttggaccat tnccttttggg 600
gaaaacaagc acttccttaa tcaaattggg cacccttnc ccttgctttg ggtttttgn 660
ttatttaanc cactttattt gggccatctt cttggggcca naagaatttt attagccnc 720
caatttaaaa tantccatt ttggcttacc caagccttcc ctttcattat taacccctt 780
tgccccaatt aangcaaggg nccccttata aaacaaaaat nnggggctt nggaggccaa 840
aaaaa 845

<210> 153
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(582)
<223> n = A,T,C or G

<400> 153
gtgcctgtct gaaaaccagt tcctctatga ctgtgatctc caagtgatca aagtcttgtc 60

```

ctggaagcca gactagtgat atgcaccttg taccttgcgc ctcaaggcac caacaaatag 120
gaatccagag caactttctt agctggagtg gcttctatgt ttctgactgg actttcacgg 180
atacaaacag tggggctctt tgcaaaacac tcttctaagc ttccagaagc aggtcataaa 240
gccgaaaagg acattttctgc ctttctctga agcagggtcat aagtcctca ttagagaagt 300
atcctcccta tacctgaaga aaaggaacat ccttatctat gaagacacag gaactcagag 360
aagaatctga acaaacaggc cttgcaaaat gccctccagc ttcctgccat tagatcatac 420
ctcctttttc cggccatact tctccataac tatccacttc ttcctcagat ctagcataaa 480
aaccatctg gtttactggn tggcttgggt cttcatttnc ttatgaangc tccgcatacg 540
taaaaacnta cgtaaataaa aatggggatg cttttctttg gt 582

```

```

<210> 154
<211> 627
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(627)
<223> n = A,T,C or G

```

```

<400> 154
atgcatcagc agaacctacc acacggcacc tactgcgggc ttcagttttg ctgtagaacc 60
gagaaacatc acgttagatg ctttagcaac aacaatgtat atgttgcata gaagaaaagt 120
gtcccagaag aacagccagc tgtcctttac atgaaattgt ggcactgcct gtaagaagta 180
tatccaatga gaacttgtcc tcaccatgta atacttttaa tgggtgagcc atttcaacac 240
tttatactact gccgagtaag tttctacaga actttctcat tgtactcagc gctgtctgtg 300
cagttaattt aggcatacaga aaactcagtt gttaattttc tgacttgcct ctggactctt 360
aatgctatt gtcctaatca taacacgtcg gaacacttac gcagatttca acaataatat 420
ccacagctgg gaataaatca aagcaggttt atcactggat aagtgcattt ggaatatggg 480
taccaagaca acatgaagca aaggacagat ttcactttag aagattaaga cagagccctg 540
ggggggaaaa aaaagaggta atcccaacaa agtctatgca accnttaaaa aatattattc 600
agagcagaaa tgcagaattg gcctttg 627

```

```

<210> 155
<211> 598
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(598)
<223> n = A,T,C or G

```

```

<400> 155
caaaactgaa aaactggntg accttnegct tngnntncaa caaaccaaga ctagctttga 60
ctatgacaat nggtatctaa ngaatgccag acaggatgga tgaagaccag gacacaactc 120
actccaccaa actgtgatgt tacgtcattt accttgggtc ccacccactt tgcctttgaa 180
tgaagacgtg tccccagcnn ttgganaacg agaaggaaac acgccaaatt aaggtcnnat 240
ttacatcaac agagaatata gaggtcaag agaggaattc acttaactta taggaaaacg 300
aagtcatatt ttggcacatc gagttttag tctttgagaa atgaaaatcc tcancaaaaa 360
gcttttgtct gaccagctgt gaggttaagaa tgtgcaagaa gtcaaagcaa gcgaggaggc 420
ggagccggta ctgtcctgga aagcaaaacc cagaaagggt gcgaatctgc tccaaagctg 480
cctcttttct gctcctaagg aagatgcntt ctcangatac agggattttg tgtatgaaaa 540
aaaaatggcc atagctgctt acagaanaga atgggtggna atgccaatth ttgactat 598

```

```

<210> 156
<211> 284
<212> DNA
<213> Homo sapiens

```

```

<400> 156
aacctcaggc caagtgttct tgacagctca tccacagact ccactggta aagcagcatg 60
aggatggctt ctgttatttt atttcagaat tttttcctgc agtggcatgc cagtaccagc 120

```

```

tgaggatcat gtatgcaata tttgccttct ttcattcttct acctaggatg gctttaattc 180
tcttcgagga gaattttatt tagtttttcc cagtaagaga atccacttct cttgcccata 240
ttcataaatt atcattaata attaaacttg gtacaataaa tatt 284

```

```

<210> 157
<211> 759
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(759)
<223> n = A,T,C or G

```

```

<400> 157
ggctaccctc gtgntganat gaatnaactg gnccttggng gccgaaaagc gagnggccnc 60
tttgtttttg gagggncctg taccctcgcg gaaacctttt ttgcccga ccaagcccaa 120
gcggaatggt ttggtcttcg gcctggccaa ncaaagcccc cccaagangg ggccaaagct 180
tcttggtgga aactaagtcc caccttggtg cgggaaggcc cgggggtcaa ncccaaaagt 240
nccccggnc nggccaagca atcggtcatc gggggcccta taagcnggga aaagaaagaa 300
aaagccacaa gncaaagtat cttggcttga aaaaaatggg ggggnntant aaacgggaag 360
tcttcgcccg tgtcaccaag gcttggaag tgtgccaagt ggatgaagaa tctcagctca 420
cttgcaaac ttcacctcct tggggttcaa aagtggattt ctttcttggc ttcaaccttt 480
tcccaagtaa gcttgggaat tacaagggcc ccggnccacc atgcccaagt attttttggg 540
gggccaagaa gggangggaa aanggaaagg nggggtacc ttggaaaacg aacaagcttc 600
ttttcccctt ggggaacttg gnaagcaatt nccgaagcac caacaagtc aacccccggc 660
aagccttttt ggtttccttg gcacaagtct tggntntntt naaagaaacc aacnaacttc 720
cattattttt attggacgaa tnaaaaaaat ttgggtagg 759

```

```

<210> 158
<211> 501
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(501)
<223> n = A,T,C or G

```

```

<400> 158
tcagaactng aggnaccct tgccaaggnc nctancccc ttggggggccn tnactttngc 60
cntaagggcc ntntngncnn caancccttg acnaaactta anggagtcct ntcgaaaccg 120
gggcccaccac ctttcttcac cttttgcaag gcaaggaagg cccggaagg ntaagccctc 180
aagcgtcaac gaagttcaaa aganccttggg ttaccagca agtttgcccc atctgctcaa 240
gggatgtggg ccttcttctt gatgaagtaa gttgaaagt cttgggatgt gaaatcaagg 300
aactcggagc tcaaagttca atgaagtacc ttggaaaatt ggattgggga agctggccca 360
aggaaaatca ggaaagaaaa naagtcctga agattcaagg aagaaagtaa aagccccgct 420
ggcttganaa tgggggtggg ccanggccaa accttgatca agggcccgag caaaaccgcg 480
actctttcca aataaaagct t 501

```

```

<210> 159
<211> 736
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(736)
<223> n = A,T,C or G

```

```

<400> 159
gntaccnact ngnaccagtg gnatnntca ancacgaagc cctcactttt gacntcttng 60
cannngngna aaatttggag ctgggatttc attgcccatg ggcaagatgg ggaananggt 120

```



```

aatctancag atgaacanat tctcctaaagt tgggaacttt gggcccattg aatttgggnt 540
tggtcccttg ccattactng atggaaaact actggatggg ccaagcttgg gtctgaaang 600
gaccccttac ccagaaagcc tttaaattcan tcaaaagaaa atggcaaatt tcccattatn 660
cctaaatgga attcfaatct tccctttacc ccttggaccc caatcaagggn ggggncccaa 720
aaatttttcc caacccccct ttggccttcc ccaaaaaacc ccccaacccc caanaaacn 780
tcttttaaaa aaaattaaag aaatccttcc ttccttaact ttccttggac ttcaancn 840
cccattgtna atccatttaa aacctctnt ttgcttggaa aa 882

```

```

<210> 163
<211> 828
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (828)
<223> n = A,T,C or G

```

```

<400> 163
cagatactga gaacacaaca aaaagaacct gtcaccacaa caaagagggg aaagtggacc 60
aagtggctta tcttgaaacc ttgtgggtcc ttggggaagc ccagggtgga accctgaata 120
atgaacatct aaaaagaaag cctttctggg aacttcttga aacaaagaaa ttccggtggg 180
ccctgccaac agctttgccc aatttgccac ttttttcaaa atgccctttt gggaatgaac 240
ccaagccact tttaaatctt gaaaaccttg caaccaagaa ctaagcccaa ccacctgggc 300
ccatgaaaac tttgccccct ttcacttggg tctgggaact tcaaccttct tggancccta 360
acggcttttt aaagccaaag ccacttaact tggcactttt aacaagaaat taaccccaac 420
ttgggaatcc cttgggaacc caacaagaaa ttccctttca aggaatccct ttctttggct 480
ggccaagaat ggaaagccaa aagggaattt aatttcccc ttcaaagtgt ttctaaagtg 540
aattttccaa aagccaaang ngnggggtgg aaaatttccc aagtaaccaaa gaaaaccaag 600
aagggttggc cccaatagaa agtaantttt ttaattctaat aaccttcccc ttgggtacc 660
ctagaaaaaa ngcttatttg agaactaatg aagctccacc agaaccangg gcctttcgcc 720
ancaaacct ccaaaatcaa taaattggga ccatggtttt aaatggatta cctggggaaa 780
tccttgata ggcctnnna aaaaggggga nangctaatt aaaacaaa 828

```

```

<210> 164
<211> 660
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (660)
<223> n = A,T,C or G

```

```

<400> 164
tgagaaaaat gggattggga aacagaaggg agaagaaact gggcntttac cataagaagg 60
ttgcanaaca ccttttaaaa acctaaccct ttaaaatggc agtgggaaag cnttcaacat 120
ggaggcctcg tctaatttaa aacaaaccac acagacncac ttggcccaa agcagcgact 180
ggcctctgaa gannaaaagg tggggccctg caagtactgg gctgggaacc acctccacat 240
ctgaaagaat gctgtttgcc tgtatttgct tcccaacgct cttccttccc ttgcctgggt 300
gcctgttggg cctaacatgg agctctgccc acagtaagtg tcgttactat ggccactagc 360
ccataccaag gcatggcctt tgcaagtccc caacatacag ctcccacact cacaagcaag 420
nccatctcta ntgctggnc gaaagtaaaa gtccacacng ggcggggcaa aaagtcctgc 480
tcattccaan gnancaacgc acctnaaca agcttttccc aaaangcaac tcaaccactc 540
tttagaattt ttttttttt tnaaaaaaaaa ccgggnttaa ggaacttggc aaaaaaaanc 600
ccccnagntg gaaaancctt ggggaaaaan tttctgggnc cccccccgg ggctgaactt 660

```

```

<210> 165
<211> 643
<212> DNA
<213> Homo sapiens

```


<220>
 <221> misc_feature
 <222> (1)...(643)
 <223> n = A,T,C or G

<400> 165
 cagaaactga ggtatattag ttcttatatg aatggacaga agaaacnatg gaaattggag 60
 ggaaggggaag angaacnct anangggngc ntantttngc nccccaggtn gnccttcaat 120
 taaaagaacc tttggcntcc aggggttcaan gtggattctt tttgcttcaa gccttcccga 180
 gtaagctggg gaactaacag ggtggtcaag gccttcttga cccaagcct aaagcccatc 240
 attatcccc tggtggatct tgcacctaac ccatcccaga atggccctga aagtaagtga 300
 aagantcccc caaaaagaaa gtgaaaataa gccttaactg gatggcatc ccaccattgn 360
 gaatttgttt ctgccttcac ccttaactgg atcaatgtac tttgaaaatc tccccgcacc 420
 ctttaaaaaa ngttctttgt aattctcccc ancctttgaa aaatgtactt tgngaagaat 480
 ccanccttct ggccgcaaaa cattgctctt aacttccacc gcctatncca aaacctataa 540
 gaactaatgg ataatccacc accctttgct tggacttctt tttcgggact canncgccnc 600
 tгнаaccccc ggtgaataaa aacaagnccc cttgtgtccc ccc 643

<210> 166
 <211> 629
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(629)
 <223> n = A,T,C or G

<400> 166
 tcaganactn ggagngaaga acaagctttc ccaagggcct ggaaaagaag gggggaagtg 60
 ccgggaacca ntgccttcen ccantaacca cttggcccac ttcttggtgg aaccttcttg 120
 gcaagcaaaa aaccctggaa acccccaaaa gaaggcaagc tttcttcaa aagtaaaaaa 180
 gtgggaaatg gaaagtttcc ctgggtggaa ccttggaat tccccatggg aagggaaaaa 240
 gatngganaa aaggganctat ttattgcaa gggaagantg ggcatctcgt ggtccccttg 300
 ggttgaaacc caanattcca ttaagggaaa gaacgggtgc caagtgttg aagggtgggg 360
 acccttggga cccttgggaa taaaaaatgg ggggtggtta aaccaaaagt aatttgttg 420
 aagtaagggt tgggtgggga agggaaggca ccgactaaga tgcaaggggg tctaagcttg 480
 aagttggaca aagaagctaa ccaccagggt tgttgggacc aaggacagg ggggggaccc 540
 tttaaagccg aaaagaacac cctgcccag atgggtgtct ttggttcct ttgacctggt 600
 gggagaaggg cccctttggt ggggggtggg 629

<210> 167
 <211> 276
 <212> DNA
 <213> Homo sapiens

<400> 167
 ggtgaagcca gatgggagtg ctgagcttca gggagcagct acgcaaagt aattgtgctc 60
 agcaaagtct tctagattaa gcggtcgtc caataaagt tcttgattct gtccagaaat 120
 cctcaactcc gacaataaga agtgggttga ggggcagttt gaatacataa tcaaaaagca 180
 tataattgaa gattgaactt gagctatagc ttcattgtat gtctctgcgt tgttctattt 240
 taatagttgc atatggagac aataaagcta catgac 276

<210> 168
 <211> 299
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(299)
 <223> n = A,T,C or G

```

<400> 168
agacgtctgg ggagcctacc tgcattaagt ccanatactg gagagaaatt caagaacctt 60
ggaaagctta ccccaacctt tcttaaccat tggcctanta accnatggan caccctttaa 120
ggaangtggg gcaggaagta acccccggan ggggaaagaa acccctgggn taaccttgga 180
aatggactan tattggaaaa caacanggtt ggctttana taacccttc ggantcaact 240
tcaacttaac nggaaacttc ttntaaataa aaaggtanta atttttttaa agcccaatt 299

```

```

<210> 169
<211> 540
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(540)
<223> n = A,T,C or G

```

```

<400> 169
atttctgtga atagaccaga agcccgacct ttacagtgtg tttgggggtgc agaaaacctt 60
ggctgacata ctcaaggctg aaatgcagtc agcggaaatg gaaacacttc aactctgccc 120
ctgtggcaag aatggcttcc cttcagacaa tctggccaga ttctttatgg acccaatggg 180
agaaattgga tgcttgata tacctctcag catctttgaa ggggcactga aacttcaatc 240
aaattgggga aagggagccc tgaactttag acctgtttta aatgtgcaga gtggcaactg 300
gcacaaggaa cactttccat ctgtaagaaa gaatacaaa aacttggaa aagaaaaaag 360
tagatatctc atcagtcaat ggtgctgtat aggcattcac aaagatggag atgtgagcac 420
cgacaagatg gctggcatct ataaggcagg aagagatacc tcaccagaac ccataaatgc 480
tggcctctga cagtaaaatt ctanctgttg nactatgaga aaataaaatt ctgtggttaa 540

```

```

<210> 170
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<400> 170
ctgaatgaag acaaacttta gccctctgag actgatggtc tcagaaagta gtcttcagat 60
taccagcttc agaatcagct gatgggttca ctaaaatgca gattcccagg cccagtggag 120
actgaataaa tcttagtttc ccaggcttta caggaaccat ggtgctcagc ttctaaggag 180
gcctcaggaa acttacaatc atggtggaag atgaagacgg agcaggacac agagttcacc 240
ctctctggag aatgtagcca ccaggcacca tcttggaagt gaagactgga ccctcatcag 300
acaacaaacc tgccagtgcc ttgaccttgg acttcacttc ccagcttcca gactgtgaga 360
aaataaactt ctgttcttta t
381

```

```

<210> 171
<211> 334
<212> DNA
<213> Homo sapiens

```

```

<400> 171
ataatgacga ctgcaaaatg gcaggataag gaccgtccaa aaagcctcat tgatgaaagc 60
aatgagaacg ctggcaaaaa tgatcagaat cggttttttc agacctctgg aaattaacca 120
aagatttgca gtgaggaatg aaatttcagt gaaaagcaat atcctagcag ccaactgggt 180
ggagaactga agccgagctc ccccaaagcc tcttcccggg gaactgtcat tatctgagct 240
gcctctctgt tccgtggaag actctacttg caagactatc tttgcctgat tgactcggag 300
cttaaccctg aggaacagcc caggggcatt tggt
334

```

```

<210> 172
<211> 351
<212> DNA
<213> Homo sapiens

```

```

<400> 172
aacagttcta gatctccatc gttataaaag agtattaccg tggttggtgta ccacaatttc 60

```

```

tcaagaaaaa cattagctaa gcccaagctg gattttgatg gataacatgc tgatgttgta 120
acaaggctgg agcgtggcac atctcacaca tgcagggtgaa cacccaatta ccacgcctat 180
gaactacaaa atcatctaag cagatttttaa attagccagt tgtttcccta ggatcctcca 240
aagggtgatca atacagtttg tttttttctt ggtggaggga tctcatgatg aactaatgaa 300
tcttaacatg aattgtaagc aaataaataa aatggtatgg ttttaagccat t 351

```

```

<210> 173
<211> 376
<212> DNA
<213> Homo sapiens

```

```

<400> 173
gcatacctca agatcagttg aattggagca cagctggatg gaggcctcag gttaattaac 60
ttcctttgag agcatccaga aaattagcaa ggacatgaga aaccattcac tcaggacgac 120
caatcagcca ggacactccg aaacctatta aatcagattt ttaatcttct aagcctgtag 180
acaactgtgt gacatcagcc acatcctcaa atcttaaggg aaacacgaat acaagaatac 240
atgtgtgcaa ggaatcatgc ataaaaggat tgtgccttca gatcaagtcc aactgttttt 300
atttgtcatc aaatgtgaac ggagatatgg gtactagtcc caggaatgcc ataaactagc 360
agtgaatcac ttcttg 376

```

```

<210> 174
<211> 513
<212> DNA
<213> Homo sapiens

```

```

<400> 174
atatgtattc tgcaatcatg accaaacaga aggactaaat ctggatcaga atctgaaatg 60
taaaaaggct acttgtcaac cagccattg ttttccgttg gagctagcag agcagcctcg 120
gctgcacatt cctgggacgt gaataatata ggttgtgatt acacttcagt atctcatcca 180
ttaccagccc tgtgaacact gaatataacc taattaggaa atgcgaaggg ccctttgcta 240
gggatgagtg ctggggcagc agagggtccac atgccttccc gacacagggg ttcaccgggt 300
ttcagacaca ggtttggatc ctgcagggct caaggacaga ctttactggt ctagtccaca 360
ttccttgtat aatcaccagt aagctgagaa tgtgacacct tggattccat cctatgttac 420
actcctcttt aaatgcattg caaaggagat atgccaggac ttgataagtc aagtcaattt 480
caaataggta ttaaagtatt aaatgaagtg att 513

```

```

<210> 175
<211> 432
<212> DNA
<213> Homo sapiens

```

```

<400> 175
gtatgttgca ttgtacaaga tgaagttaga gtgtgaagca tggaaacaaag tgcttattga 60
gccagaaaat actgcccac cagctctcaa ggcaaagaga ggggtgtacga gaagctaatac 120
ttcaaataag aggtggagac ccagctggca gctagcatgg tgcggcgtgt tggaggcaag 180
aagcagaatc tcagactggc aagatgcaag ggcaggcagc ccacccacag ggaaggcgtc 240
gccaatcttg agcaactcta gaagagaaac ctgaacacat cagaactcaa actaactgat 300
aatgaactgg ttttcattac ttcttgagtg atcaggaggt agaattgtct cttacaaccc 360
aatgtatacc attctcagtt gtctatttaa ggatttctta gtgagctcca tggtaaaata 420
tatctacttc tt 432

```

```

<210> 176
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<400> 176
aggggcagac ccagggtggga gtactgcagg ccacgcccct cgaagacagc atccacgtgg 60
tcttccgata ctagcaagggt gtgcttggca gccggtgcct caaggattgt tctggaagga 120
tgacatcact caagggtgtga ggacccagca gacagagcac acgccctggc tccatgccc 180
agaggcccat ctgaggagcg gacaggcagc ctttcccacc agagtcacca ggggtgaggac 240
gtctttgagc cattccctac tctgagtcac aacctcgtag ctgattaagg ccacatggga 300
agcttcccat tctctatact tcccctgatg ctctcaggaa ggacaatttc gggctgaacc 360

```

aaatctggat tattaagtc aattttc

387

<210> 177
<211> 420
<212> DNA
<213> Homo sapiens

<400> 177
gttgctacaa taattccagc tgtgtataacc tcttgggac ataatagaaa tgaacctctg 60
aagcatctta ctgaagaagg cccctacgtt gactgtccag ctgactgtct ctacccgact 120
gctgtccac acaatatggg ccaggcgatg gtattgcctt tgcaaaactaa atgaagtcc 180
tcaaagtga gctgggtggc acttcagagt taacttttca aatggccggg cttatataga 240
ataacctttg taaaagtaaa ctatgatcat ataataagat acatgtgcat ttggaacgcc 300
actgcttttg gaacctgtct cagtttttat catcatacaa ggtaattgt ctaatgtcaa 360
ttagatttta tcacaagtgc atttgggtcc taatctggaa caataaaagt ctattaaacg 420

<210> 178
<211> 421
<212> DNA
<213> Homo sapiens

<400> 178
ggcatcttga agcagaccag ccacgttgca agtgcttga ggcacggatg actggtggct 60
gctgttctgg gagacagaat cctatagcat cccagtcct gcagcacaca ggtgggacaa 120
ttccagcttg atgtctcagc cagcgggttc ccacgtcctc cccgcctctc ccaggcagaa 180
gacagagtga cccaggtaac caggaaaaca aggccataaa aaaggaaactc ctactaatga 240
aacctcctag attccaagga ggaaaacgta gctctcagac caagtccgtt ttcgcccttg 300
catctgaaaag ggagtcggg gaattgctaa ttttgaactt tctatacacc ctctctgcct 360
ctggatgtgg ccgcctgact cgaattcctt tgcacaataa aatgaggggg aaaaaaatca 420
c

<210> 179
<211> 115
<212> DNA
<213> Homo sapiens

<400> 179
aatacgttcc agaggacaag gactgtgttg ttcacacag tattccagaa cttaaaagga 60
actggcacat aattggagct tactaatatt cgtcaaaaaa atgaacaaat gaggc 115

<210> 180
<211> 449
<212> DNA
<213> Homo sapiens

<400> 180
ataagagtga gcatttttgg aaatgtgatc aactgacgca aaatggcagc aacactggaa 60
ggaagaatca ggaggatatc ttagaagata accacagaat ctttgcaaga gacacagaag 120
actaccttac acctggtttc cacaggagaa atgggtcaaa atatgttatt agttgaacag 180
taggaaaaat gtctatggtc tcttcagcac catctgtatg tagtctctga gtctccagt 240
tctcatctat gaaactggga taataatatg caatgagagt tattctgaag atcaaataag 300
atagcatgtg aaagcagttc tagattccag acataagagt aagattaaaa gaaatgttgt 360
tctcaatttt cttgtgtcat tgctgtgcc atctagactt aaacaaatgt tactgtaaga 420
gccaaagtaat aaactaacac atctaactg 449

<210> 181
<211> 506
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(506)
 <223> n = A,T,C or G

<400> 181
 gtgatttttag aggaataaac acccttagcc gtcagccaac atttttacaaa tgaaggccag 60
 caagggaaaag gagctcactg aaggcccatg ctcattaatg aggaagcaaa aacaacagca 120
 cacagcctct gtccccagg ccacgctcct cgattttctaa gcgctgttcc agtccacaca 180
 ggacaagaca tccttttttc ttctagaaca acagctcagc cccacctgaa agaaagagtt 240
 cattgatact ttttcaaagg cttcacaact cagctttttt ggagacttca gcaaaataag 300
 tcattatctg gccaaactta agaatgaggn ttgctaaatg tadcagcatt ctgaggntat 360
 cagaagactc tgcacacttg catatctcac aaataccgnc aataaataca tagnttcatt 420
 tcctcattgg ttcacaaaaa aaaaaagggc ggccggggcc nttnancttg gacttaanaa 480
 ggggtggaatt tnttaaaagg gggggg 506

<210> 182
 <211> 510
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(510)
 <223> n = A,T,C or G

<400> 182
 gcccagcgg atggaactca taaataaaga gtgagaaatg caanttatgc cagangttag 60
 aaagccaggc tccttgccac agcaagaagg ggatagctgc agcccacgga gaaggagaac 120
 cagtaaagtt agcaaaagca ggcagaagaa gtttctaaag caacatactc tgcaaaagcag 180
 tctgggcat gtactgtagg agcaagttgc cagcagcccc cgggagcatg aatggatata 240
 gcaactgttg ttgaaaaaga acaatcctga tcaaccaca tcaaaggcta atagacctca 300
 tttagaaga cagggaaatg taaatctgtg agatacttca ggatcatttc tatcaaaaag 360
 cgtttcatat aataaaggaa taaagcctca gttatctgga agggtcnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnngg gggccggggg gggccctttt ttttngtttt aaccgggnnt 480
 tntttttttt aaaggggggg gggccccc 510

<210> 183
 <211> 379
 <212> DNA
 <213> Homo sapiens

<400> 183
 gctcggtgac taggaagagt ggctgaaagg cccacctct gactcctccc tgcttctgat 60
 agcctgagtc ctgggggaca gaggggaagcg cctctgggtt cccctctccg tgtgaggcag 120
 acagcctccg cccaggctct gaggggcccct aattcttcc aacagacagc agtttgagc 180
 ttctcccaga gtgaccagg agccagccca ggagtggtct agaatagaca aaggaccgtt 240
 agtatccga tgtgaatttt agaatgtgta tatttcatac ataaaaatag aaatgtatat 300
 gaatgtaata tagattatat atttattatg tatgtaaaaa cagtatgtgc acatgataaa 360
 tgagcatatc tacgtctct 379

<210> 184
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(317)
 <223> n = A,T,C or G

<400> 184
 gaccacctg ccatgctgtg aggacaccca ggccacatag agagagtgag gccacatgta 60
 ggtgttacag ccagaagccc cactgaaaac caaacctgca accagcatca actgccaac 120
 atgtactgaa gaggtgaga tgattccagc acttgtggat gactgcaacc acatgagaga 180

```

cccagagcaa gagctaccta gctgagccca gttactccca gaatcatgag agaactatgt 240
aattgattgn tattactata taagccactn ngtttncntn tgatatgtta tgcagcagta 300
gacagctgga acaggag                                     317

```

```

<210> 185
<211> 378
<212> DNA
<213> Homo sapiens

```

```

<400> 185
gtgcagtga caaccacgac aggcttcaca tcctcctacc tggtcagaag ttgccaccat 60
taggacaatt aattaaattc aacagtaaa atgctgccat agttaatgaa tcatgttttc 120
cctggagctt tccacctatt caaaggacaa gtttcagagc ttggatgagg agcaactatc 180
ttatgaacac agagacattt gtcagtttta aagggtcaaat tagatttttg ctcagggttc 240
caccaaaatg atagacttga aaatcaggat ttatcaaaat atgtttctaa ttatttcaac 300
atatcgagtg tattagtctg ttttcatgct gctgataaa acataaccga gactgggaat 360
aaaaggagga ttaatttg                                     378

```

```

<210> 186
<211> 688
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(688)
<223> n = A,T,C or G

```

```

<400> 186
ggntccctc tgttgnccan ggctggnagg cnnngggcg gaaacctnnn taactggaac 60
cctgggcntc ngggggnnaa ncctaatacng cggtgncntc gggcctggcc aaaggaagcn 120
ggggaattaa cagggtccggc gccgtcaccc aangccccgg ctaaaattat ttgggcaatt 180
ttttttggta agaagaacgg ggggggtttt ngcgcatagg ttgggcccaa gggcctgggn 240
cctacaaaaa antccctggg cctcaaaagg ccgaatccca acccccggct ttcgaacct 300
aacccaaaa gtggccttggg ggaatttaac caagggccgg nggaagcccc acccgccgc 360
ccggggggcc aagcctggga ataagtnnct ttaagtgaat caaanatgaa cctggngggg 420
gcctgggaaa cctcaagggg ggggaagggg gccctnnacc cttctngggg naaaacnnat 480
cctggggatc ctggacaagg gggncctttg gcttccattc accccaaggc ctcaaaagt 540
gaaagggggg caatgaancc tccgggctca acctggcccg ccttggacct tncctggaa 600
gcctcnaaaa gggaanccct cccancctca agccctcaaa ggaanaannc taagggaant 660
gganggcnaa gganaccaat tgcccccc                                     688

```

```

<210> 187
<211> 404
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

```

```

<400> 187
gtgactgcct aatgttaaca aagatctgta ggaatgatgg gaaggggcac tggacttnt 60
ctctttccta atccttcaag tcatactga agatccgcag tttttctgga gacaggtgaa 120
gtccagcccc tgaaagacgc agacagtga gagagaagag cctacgtttt tatatttttg 180
tcaagggtgat gtctcaagca aaatgaagt gtttgtggct gaaacaacct ccacgggaaa 240
gaaaactgga gtgttcgttc atccatcaaa gaacaaacgc caacgtctga gccaacgacc 300
ccagctcccc cagacaaagc agtgaacaga ttaaaggatg ggaggaagga tacaatcaaa 360
atcgggtggg gatggctggc agataaaaat atggaacgct tcac                                     404

```

```

<210> 188
<211> 552

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(552)
<223> n = A,T,C or G

```
<400> 188
gcagaaggcc ccanaaggnc cgcaagaact cccananaag gccngcaatn nntccgncaa 60
gaagggcccg gcngaacntc cgcgaagaag ggcccgcgaag aactcccgcg gaaagtcgcg 120
cacacangca aagggaaaaga tgccctccgc gtccaagccc ggcttganat gagcaggccc 180
gangagccaa tggcgcaaaa gaagngnccc ggtntcccgg atcggggnant cctcataact 240
ttncctttcn ttctggacca aggtaaagcc cacaagagnt atgggaaaaa agngcttggg 300
gggaaaggaa ancnggtggc cggaagtcc ttcttcccaa ccaaggggcc cactnaattt 360
atngggagga aacccaaaaa ggcggttttt ccttaaaaaa cctggaccgg gggacaaaaa 420
tccgaanngn aacctggacc cacttgcagn accattggga cctttcccn taaacctttc 480
aaaatctnng tgggaagaag aagggccctc aagaaggctn ntccactcgg cctattntca 540
atttatcaag gg 552
```

<210> 189
<211> 317
<212> DNA
<213> Homo sapiens

```
<400> 189
acttgcaact tatgtttccc ttttaatcac aaagctgaag aatagacaac tatacgacct 60
atcatgaagc aggaagaaaa aaaatcatcg acatttttga ccatgcaaat gagcattttt 120
tttctgcaga ataaactaag gctaacaaaa aagacaaaaa caactgatca ttcgtatgaa 180
aacctaatta tttggtggat ttttcaaaaag gtggtcagct aattatgtgg tatcatctgg 240
accaatgttt tctaggcaag cctagatggg caacttttga gagagtttat aataaagttt 300
gatttgttta tgcatac 317
```

<210> 190
<211> 370
<212> DNA
<213> Homo sapiens

```
<400> 190
tgctgctttt agaccagtcg cacaccaggc cgaagaggtg agagggtgag gtgtttccca 60
caagaacatc cacatcctca ggatggatgg aggagcaagg acgagaaccc ccaacccccg 120
agacagtttc tggctccttc cttccaagaa gccctacaca tgatatccac gttgaagccc 180
tcatgcaaca agctactcat tcctcttctc aaaggaagtg ctgagtgtct ggcaagttgg 240
aaagaatgag ggattcttct actgggttac ctggtcagct ccgaggagag ttaaaccagg 300
aaaagtagtt caggctggta tacctccctg tttgtccttg agggcaactt aaaagcacta 360
tttacacaag 370
```

<210> 191
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

```
<400> 191
catgccatgt ggacgtgacg cctggagata tcgcacccac cttataatca ggaggaagaa 60
tgccacgtgt ggaggatggg gccacaggaa tctggaagag ctcgatcctg gacgacttgc 120
tcaagcagct gcacattcct cctgccacct acttctggat attgtgttag gaaactggca 180
tgagcataca catccattca gaggaggtga aagtggagtg actgatgcta gaatccccac 240
cttctgagtc aacgggtccag agaacaaggc caaacacagg acaaataact ttcaggcttc 300
```

```

aggatcaaat tttttattct tgaatgatcc aaacacttta agaaaaataa agtttctaga 360
ggaaatcaac aaaagtgggn nnannnnann nnaannnnan aaaannnnnn nnggggggcg 420
gggggggc 427

```

```

<210> 192
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<400> 192
ctttggtgtc tgcacagtcc cacacgagcc aagccccgct tgcaggggtca agctgtcttt 60
tcatagtggg aaaaagctga tgaaaatcct tcacacagag gtgttaagag cttaatgatg 120
aacactcccg acctgagtta taatttcaca agaatttgaa ctttattttt ctgcgaggag 180
tcacgtgatt tgtcctgcgt gccaatataaa ctactgatgc cagctggcct gaagaactcc 240
atgaagatct gactgactaa agaatgcagt ttccaatcct ggtgatttca tcccccttat 300
ccaagcagt caataacttc tactttccag cctcttgtcc tcacgatcc ccttaaagac 360
tctagcccaa aactccccag ggagatggat tcgaggattc ctctgttcgc tctctcagcc 420
actctgcaat cattaaactc ttttctctgc tgc 453

```

```

<210> 193
<211> 453
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(453)
<223> n = A,T,C or G

```

```

<400> 193
tctgtgtcat gctgccttct gtagcaacaa cggctgntcc ctgnttntgt gccacatgcc 60
aaactattca acatntgcac atactctcct agtcactctt aaggggtgtt cataatgaag 120
aaactgaggc cgtgaggact gagggggcaat gctgcagcaa tgtcaagttc attcggtgga 180
ccacgtgcct tccatctcca aagacacagt ctgtgctcct taaatacctc ctgacaaact 240
caatgtgcag aggcaagata gagcaagttt ctgctgcaaa ctcaccacca gtatgggatt 300
ctaagcccan ctncctgcca atgattcttt gcagggncac agcttctgtg cctgttcacc 360
tagggctggn tnaccacagg gangganent gattggggaa aagcattggc ngtnncagaa 420
tggaaaangg gacctcaaaa ttttgtctta ggg 453

```

```

<210> 194
<211> 473
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(473)
<223> n = A,T,C or G

```

```

<400> 194
gcttttggca tctccattca ttccggaaca gccagtcagc cctctctgct gtgtcccaga 60
gcaccaggaa gtgagtaaca gtcctagagt gagacatgga ggatacagcc aagtatcaga 120
ggagtgtctg ctgctgtctg cttctacacg tcaccgtact ggggggaatcc tatgtgaagc 180
cgccccatgt cctgtctgcc tggatactca ccatgcagat agctctctgc attcagcagg 240
gtcttgctta ggccctctcc tggggggcgg agaccctct gttcttctcc agaccctgca 300
gaattctgga gaggagagga aggtggaaca cacactttct tnetgtttt ctanggtgnt 360
ggggcatctc tcttctctct ttaactacga acttcacagn ccaaccactt tctctttttt 420
acaagccctt tggggtcctt caagaaccaa agtaaaaaaa agctttaaaa atg 473

```

```

<210> 195
<211> 127
<212> DNA
<213> Homo sapiens

```



```

<400> 195
ccattgacct ggatggacct aggacacaca ctaaaggaca catctggatt caccaaggag 60
ctttttatat ctcacaaaat agcatgttgc taataagaag aataaaatga aaccaaggta 120
caaaatg                                           127

```

```

<210> 196
<211> 311
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(311)
<223> n = A,T,C or G

```

```

<400> 196
agaaagaacc ttcaggnntn gggaggtggg ncttttctntn cntnaaaacn atgatncctt 60
gggtganccg nnnggattgn cccacaancc ccgatggaaa cattcaanag gngaattgcct 120
tgctcanaac cccctggcca ggcttaggag ggaaaaanta tgctttccaa cnttggcaag 180
aaattgctgc atccanaggc tgcagaagcc ccgaggagca tgaacatgct ttggaagaat 240
angcgctgcc ttgagtgaca tcctgaacca gacccttaca cacacancct tcattgggtgg 300
cttttggggg t                                           311

```

```

<210> 197
<211> 497
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(497)
<223> n = A,T,C or G

```

```

<400> 197
caactgtgga agtcaaggcc agaaatcact cactatatca tctgatattc ctctgatcgt 60
tatacctatt ctcaagtgtta aggaaatgag accagttgaa acgtccacat taaaataaga 120
agaaggagag aagggttttct aattgcagtt aatgtcatcg ttaaataaaag aatgccataa 180
aggaacgaga tcagcagtgga ccttctgcac agtttccaaa gcctcgccaa cctacctccg 240
tgtcctggtc tgacttatgg cagaaacaga agttcaaaga cctggctgat atgctccgtt 300
aaaaaccctt ccacaacgca gttaacattt tctgntttct gactttcttt ttctaagag 360
atgcttaaag caaaaaangg ttcttgcccc aaaaatgaca ttaatatattc gtaaatcaag 420
aactaagata atggtttngg ctgctacaga gaccgttacc cttatgcggt tatctnaaag 480
cttttcgatt aaaacac                                           497

```

```

<210> 198
<211> 350
<212> DNA
<213> Homo sapiens

```

```

<400> 198
atctgaagag aagagaaacg tgaggggaaga acaggcgggtg gcagccggaa gagagtgggt 60
ggaacagtcc ctgcaactct tcagagaaaa gaaaggggag ctggcccagg cccaagaagt 120
gtccctgggg gccgatgtcg gcaggaatcc ccgcattctc acatgcggaa ctgagagaag 180
tgcttgccag attcaatcat acagtgactc aaatgtcaca gcatgactat agagaaagaa 240
taatagtggg agcatcccgg ccaattttca acagaagggc tcaggataag gaagcttaag 300
aaaattgccg aagagaatga taatgacaat aataaaaaa aatagcttcc 350

```

```

<210> 199
<211> 275
<212> DNA
<213> Homo sapiens

```

```

<400> 199

```

```

caggtgaata aggtgggatt tgaaatcagc atggcagtgt ccagtggag aagggagctg 60
aagtttcttg aggatgaata taaagctggg ggagttatca ttgagcctaa ctctctggtt 120
tggaacccat aaaccctaata caatatacct cccaagttta caatagaggt gagtatattc 180
taccttactc catttccatc ccaacttccc cactttgtaa actttcagaa ctgacttatg 240
gaggtttata acagccagat atcaaaccac tagac 275

```

```

<210> 200
<211> 354
<212> DNA
<213> Homo sapiens

```

```

<400> 200
agaaagagga aaggaccagg agtggcgacc ggcaaaccac agcttgtgtg ggaaggaaat 60
ttgacatgtg atgcaagcgg accgtttgtg taaactgctg ggagattaac aacaactgtg 120
agtgggaattg ctgagtcattg tggcaaacta ccagttctgt tgaacctcag ggccatcatt 180
ctgttcatgt cagctcgttg tagaaccaca tcgatgaaga ccaagatggg aaagatgaaa 240
aattgtagct aacatttact gcacatttac tacaagccaa gcattgcact atgaagttta 300
agtgcattat tcattaaccc cttcaataaa atttgtaatt ttcacttcag aagc 354

```

```

<210> 201
<211> 310
<212> DNA
<213> Homo sapiens

```

```

<400> 201
gttggtgat tgtggaggct aaagcaactc taccttgcca gcttatccac catgtggact 60
tctaattaat ctgagttgcc ggaatgcctc taagatttct acgttatcta ctgtgaagag 120
caagtaatta ctgcaaatcc tgcccttggg tcaaaaacaac cttgatgaca tttccttct 180
gaagcacata tactctttcc ctaggatatat aagccttggg tctgggggct aacgggtgcag 240
ggatccatca tctcacagcc acccaagaca tggcttttgt tcaaaaatcc ctattaaatg 300
tttcattctg 310

```

```

<210> 202
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

```

```

<400> 202
gtggttacaa ctgtggccgg ccaactgtcct aacaagtcag aagagagatt ctttgccaaa 60
atcttcaggg gaaacgacac gagtaccctt tgcttttctt caacgaactt cccttctact 120
tagggtttta gggcatttgt acaaattgatt tgttccttgg gtctgaatct tggggatgtt 180
tatcattttc gttgctttca gaaaatagtc tgcatttctt tctattacct ggaccatttt 240
cctggctttt taaaaaaaaaa ttattattca aatggaaaag cggcgagccc agaattgagc 300
gacgaattga gctcttctct ctctcgaaca cgggggcacc tctaccgct acagacttga 360
agattttact cacttcttct catccctctg ctcggttttg gagggtaggg gcatgaagtg 420
gntgaatcta aactggcaga aaaccc 446

```

```

<210> 203
<211> 88
<212> DNA
<213> Homo sapiens

```

```

<400> 203
gttcatatca tggatcccat tttatagatg ggaacactga ggcttgagtt tacacgagaa 60
tttgctgaag aggagaagga aaaaaaaa 88

```

```

<210> 204
<211> 211

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(211)
<223> n = A,T,C or G

<400> 204
ggctttttca ctcattccct angcatgtgg gacctcnaag atgccgaatc agctaaacgg 60
gaggnggctt gagtangatt tgctgccagc taaagcgtga gatgctattg catgtgcaag 120
gcaaggcctt cttcancggc atcatcttnc aaaatagccc agngagcatg cttttctcct 180
gaaaaataaa aaatagttgg tgtttactgc g 211

<210> 205
<211> 245
<212> DNA
<213> Homo sapiens

<400> 205
agttcccaa ggacagaggt cagggaataa gagctgagt agacctcca aagcagatca 60
caaagagaag gggacactgc accatggagg tgacacaggc cagtggccac ggtgctggac 120
ctggggctga gaggaccac atgtatatcc tggccgattt aggtatctta gactttctgt 180
gcctcacttt ctttatctgt gaaatcagca ttctgatcat gactaaataa aaattgctgc 240
cattg 245

<210> 206
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(325)
<223> n = A,T,C or G

<400> 206
gggtatcctc accttgtata atcctggaat cacacttctc tccgcgtaca tgctggcaga 60
gctcattctc tccacttggg aaggaggcta caacttacag tgtcaagatc ttaccagcgc 120
agggggaagct gacatccgga ggaccaactg aataaaccac agcacatcca cgtagcggat 180
gcctctacca agtggagtga ggaagagctc tataccgcta cagaattgtn tctgggatat 240
agttacatga acaaaagcaa cttgcagacc gtgtttatag gatagcacc tttgtgcaat 300
aatgatatg aatgcaaaaa aaaaa 325

<210> 207
<211> 232
<212> DNA
<213> Homo sapiens

<400> 207
aactgtctac tggctgcaga taagagaatc tctttatggg ggaactgaaa acagaagaaa 60
aatcaaggga taatggcatt tgagggttcc tcaatgaccg cccagccaca tcacaccgga 120
gtggagcccc aacctgagag gctcttacc agagcttcca gtcggcattt cagtggatca 180
cttttaaaaa taaatggtga tggggtgatg gaaatgctac ccccaaaata cg 232

<210> 208
<211> 159
<212> DNA
<213> Homo sapiens

<400> 208
ccttgaatat gagcatgctg catgctgcag cagtatatag tgatcaaagg caacaagcca 60
aggatgatgg aagaacaaga gagaagcagg ctggttcttt gacattggac agccagagtc 120

ccagccctgg atggcctgtt ccagacatct tgtcaagtg

159

<210> 209
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(329)
<223> n = A,T,C or G

<400> 209
gggtgcgatt tactgggtgat gagctctggg accttcaata ctaccagaag attgaggaca 60
tatcagggga gacctgttgc ctcacttttg tcccaatgta tgacctgttt ccacagagaa 120
acatgcagga gaaattgcac agatagaaga actgaattaa caatctccaa gactgctgag 180
tggttttgat ctgccttgct tactttttca gccgctttat atgctgaaat gtttccagtg 240
caaccagaag tttcaagtgt aaaattctgt ctttcctctt ctgttatatt aagcttttaa 300
gacaccatac ataanagcaa ataaatgac 329

<210> 210
<211> 133
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(133)
<223> n = A,T,C or G

<400> 210
agatggggtt ttgccttgnt acccangctg gataactact cttgatgaca taaaatctac 60
tgnnngcagn aaagacagan agcatncacc ctaatacctt agttatgaan actacagaat 120
cagtagaaga aca 133

<210> 211
<211> 270
<212> DNA
<213> Homo sapiens

<400> 211
gttctgcatg ctgataaaat gatcaacacc tgctgggtctg aagggtctcag caagaaactg 60
actcatggga gaatgcactt tccatattct aatgacttca tcccccttac cctgaccaaa 120
cgataacccc aattttctaa ccccttgccc tctccaatcc cctgaaagat ccttgcccag 180
aaccctcaa tgaaatgaat ttgagtctcg agaattcttc ctgtttcttc attcagtcac 240
cttgcaatta ttaaacaact tgtctgctgc 270

<210> 212
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(355)
<223> n = A,T,C or G

<400> 212
gtggagagaa cagcatgtgt gaaggccag anccggcccc cggatctttt canaatgcat 60
cttggtcagg ggaggatggt cggccaggac acatgcatgg cccctggag tcgtgcagct 120
gctggccttg gtgggacttg ctcagggact cactgctggc cttggggagn acanaactca 180
ngcnttgtn attccgaaga ncnnggtctn ncnctgcaa ntgccgttnn cagaatngnn 240
cccacccag gaggatcacc catatncaac nccnggagca gcntcagcca cnctnnaaac 300

```

aaggggggaaa cgccaagccc attacattag gaatttttccc tgccatcact gggt      355

<210> 213
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(397)
<223> n = A,T,C or G

<400> 213
ctgcttggtg ctgcggtgtg ccctatcctg gctgcatttc ttcattccct cccctgccca 60
catacatcca cagccccagt cggctgtatc catgaagagc tgaatggaac aggatgactg 120
gcagcccacg ccaagggcca agagatgtga aggtagaagc aagaagttag aatgacctga 180
ggaagaggtc acaagcccag gaatgccagc agccactaaa agctgaaaaa aggcaaggaa 240
atgagttttc ctctgaagct gccagaagga acaagcccag ccaatgcctt gaccctagcc 300
cagtaaaatt gattttgaac ttccaaaaaa aaaaaggncn gngngggccan ttnagntngg 360
acttaaccag gnngaacttg ttnaaaaggg gggggggc      397

<210> 214
<211> 141
<212> DNA
<213> Homo sapiens

<400> 214
gtgttgagtg ggtccctttg gctggctgct ctatgaatgc tgtccttcgt gcataagaac 60
tagtctaagc tcccaaagaa ctggatgcta atccctgtcc tgataactaac tcaccctggg 120
acattaaaca ggtcaaaaaa c      141

<210> 215
<211> 96
<212> DNA
<213> Homo sapiens

<400> 215
ttcctcctcc tgccatggtt tgactgagct gaacaaaccg gaaacttctc taggaaccgg 60
gctatactat acatgtaatt aaaagttaat tatctt      96

<210> 216
<211> 305
<212> DNA
<213> Homo sapiens

<400> 216
aaagaaaaac tacatggaat gaggaaatag accactcctg ccttcaaaat cctcttcgtg 60
aggtttatag aattcctaag aactcaggaa agacatcagc agagagcaat gatcgtcata 120
gccagctcca cacagaatgc acccaccag ctacttgctg aattacaacc tgatgatgga 180
tccaccagaa actaagaatg gaaagggtat aaagaaatca cagcattcat cttctggaag 240
aaaaagacta tttcttagaa agtaaaataa atgaataaaa gcacttaata aggagcataa 300
cgcg      305

<210> 217
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(427)
<223> n = A,T,C or G

```

```

<400> 217
ctttctctaa ggaagtgaca tataagctga gcctgaaaga tgaagaggag cagattgtat 60
gcagagcaga gggaagagca agctgatgga ggtgactaat cagagggcct gatggtcaag 120
tgctcaaggt ggagttaaag gaaacctgc tttcttgaca tcaccagctg ctccagaagcc 180
ttcagcaggc atcctagacc ttctccttct ctaagggatg ggccctcacct actttcttca 240
gctgagacct ggcacagacc cttggagctt ctaaggaccc cattgtagcc ttgggggtgga 300
ggcccatggc accactgccc tctccctggg ataaagggtcc tggggccact tctcaaggct 360
gggncccttt nttaagaagg aaatgntttt tcccaaataa cctnctcttc ttcctttttc 420
ttcacc 427

```

```

<210> 218
<211> 438
<212> DNA
<213> Homo sapiens

```

```

<400> 218
gacgtgataa cgagtcatac tgcggtggat cggcatgcac cctgtccccc ttcttacctc 60
ccagaattac ctccagtatca tagcgtagggt gctttggaga aaactgactc ctccctagcaa 120
taagtcttca gttgctttta gctttaagca cattctttca gtccctctgat cactgtcatt 180
tgtccagggg tgggcatgga ctttagtggg accaaaaaaa atctcgcatt cctatttgaa 240
atgctgagac agaagtacag gctctcactt tctctgcagt tggcagagag ggaatgtggg 300
ctcgattgct tctggcaaac attgtgcaag tcatgttggg aaaggggact tgaaatgaag 360
cgaagattcc agaaaacaga acaaaccaaa agaaatgggtg accactataa ctggcaactg 420
tggagcctgc cctatctt 438

```

```

<210> 219
<211> 424
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(424)
<223> n = A,T,C or G

```

```

<400> 219
gaacactatg aaaagattgc aaaaccaaatt catgagaagg ttagattcct actgaaatga 60
aagatattca tgggtatttg aaactcttat aagcaagaag tccgaaaagt tcaagatact 120
tctgtagaat ggtttaattt aaaaagtggc tgctatcctg gatggggtta agaagctgct 180
ggtagctctg tctggatctc cttcttccct gttgttctcc tcccaacaaa taactctcat 240
cttcaagtct accaaaagcg gctgacctta gtagcataac ctctaaacca aactcaactc 300
ttaccttctc cataaagctg ccagaaattg ctccctgccg gagtaattta cctcttacac 360
accactgtta tttactgtg tgggactgna ttcccaanta aattgagaat gtctaataga 420
tttt 424

```

```

<210> 220
<211> 318
<212> DNA
<213> Homo sapiens

```

```

<400> 220
taaccggatc tctcgaatt ccgcgcgcac gaagactcag gggagggggc cgagtggact 60
tcaccccgca tgagacgtct ggcaaaaataa gaaggctctc gcaaaacctc acaaccaaatt 120
atgcaaagcc ccaaattgaca accaccacct cctcgaacct cagaggtctg ggggcgtccg 180
gctggaactg gggtttaaaa aaagaaaatg tttacaaagt ataacaagat gtttgatggg 240
tggaaaaatg tatccacgag ttacatcccc ccgtttcctt gcaaagcccc gctgggtcttc 300
ctctcctttt cttctgccc 318

```

```

<210> 221
<211> 227
<212> DNA
<213> Homo sapiens

```

```

<400> 221
ccttcagact tggcctgaaa cattggctcct ccttggggttg tgagcctgca ggtcctcaga 60
ctgaaactat ccatcagctc tcctgggttct caggctcctg gattcaagct ggaagtacac 120
atcagggtctc ctgggtcctc agcttgatga ctcgagatct tgggaattct cggcctctat 180
aactgtgtgc cccaattccc tataataaat ctttgtcttt ctctccc 227

```

```

<210> 222
<211> 462
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(462)
<223> n = A,T,C or G

```

```

<400> 222
gtcgaaatcc ttccccgctg atataaatat ttgagttggg gagcagagct tcagggacca 60
tgaagaaaat gctgctctgg ggacactaat tgaactttca tctagcaggt cctgtgccct 120
acctactcaa gaacaagttc tgtttgatga agaagttaca cagctgccaa gttccctcat 180
tctactacct atctaccccc aaattcagga atgtctccat atgttgacta tgcngacttt 240
ttcagtgtcc tagtggaacc acagctttaa aaatgggaaa tggaggcagt cccatatggc 300
agagtctccg atgtggaatt aggcacgtt ctccaaaagc cagcctgcag ccttttgag 360
agcttactaa actataaatt gtcaactgta ttacatgata aagcagatgt gtccatacag 420
taactctttt gctaataaat gaggnctaaa ttccaaaaat ag 462

```

```

<210> 223
<211> 465
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

```

```

<400> 223
tggttaattc tcctgagtga atcacaagtc caagggtggct gaatgcactt gccagtctat 60
tgctattgaa gcaccttaat gacataaaga agaagaaaacc aatgaacatt gttatatatt 120
tcattttaaa ctgatgtaga cattttgagg aaatctgcat tttgaaccag gtttaactgtg 180
gaatgccctt ggccaagagg aggggtccat ttgatgattg gatggcctta gaatttat 240
ttgggttaata gtgccacaca gctaaatcca agagagtgtc ttagaaaata aactctggaa 300
acatatttga gaaactaata agaatgatta actgtagagg gaagtgtcag gcctctgagc 360
ccaagccaag ccacgcacac ccctgtgacc tgcactatat gcccggatgg nctgaactta 420
ctnaagaatn cccaaaagaa agnggatttt tgcccttgcc ccccc 465

```

```

<210> 224
<211> 184
<212> DNA
<213> Homo sapiens

```

```

<400> 224
accattagaa tgtgacctct gtgaagacaa cagaaatgga ggaggcgatc catgggcatc 60
ttctgaagct gttttggtta actttgattt ggaagtccctg gttccagggt ctccctgttc 120
ctgggaccag ctccagaagt tcattatttt cataaataat aaatgaatgc atactagggg 180
ctgg 184

```

```

<210> 225
<211> 124
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(124)
 <223> n = A,T,C or G

<400> 225
 tcttaacctt ttgagctccg ttcagcctgg ttaagnccaa gctgaattgg ccnattcctt 60
 tngccttttt accctggaag aaatactcat aagccacctt tgttatttac ccccaatctt 120
 caca 124

<210> 226
 <211> 374
 <212> DNA
 <213> Homo sapiens

<400> 226
 atgaagatca ttgagattag agaagaaaat gggatctggc caaggacata caactaagaa 60
 atggcggtgc cacagatgga gaaactgaca ctcagacagg ccaactgata tgccacatc 120
 aacgagctaa aaaaatggca aggccaggat ttggccctag gctgtcttaa ctctgaagac 180
 catgtgcccc gtctcctgcc aggccattta catcctcagg aggattgctg cagccccagg 240
 acaggcgatt gcctttttacc accctcctgc cagaccacac tgctgtgtgc cctgtccttg 300
 taccctactt ttgctgggtt gaaaagggtg aaagggttac cccactgctt gttgtacccc 360
 accccaaatt ttgc 374

<210> 227
 <211> 318
 <212> DNA
 <213> Homo sapiens

<400> 227
 atgcaatgaa attaacctct ccttccaaga acagcatgca ggcagctagc tggaaagact 60
 cacacttgag tgaatagcga cagctcgccc cttctgcgct ttgacgctgc tgtctctact 120
 ggccacttgg tctaccagtc agttgtgccc tgtatgtacc cagccatggc tgggaagact 180
 cacaaccaca agattgccta tcagtaggaa atacaggaaa ttacaggatg ggtatatgag 240
 acatatgtgg tggatataaa gctcaatagt agtgatacaa gtgtcatatt cagaaaataa 300
 tataaacttt cttgctat 318

<210> 228
 <211> 502
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(502)
 <223> n = A,T,C or G

<400> 228
 gccagaggg gactgtggac ttggtgccag aaaagaaaat gaaaagcaaa agttgaatct 60
 ctgcggacca ttctctggat gctgaatgtc ccactattac atctcgcat gacatttcat 120
 ggccagcagg ggaggaggcc cagtcctgaa agctgaacaa acgcccggca cacaggcctg 180
 cctgcgccct cgtagtctct ctggacttat gaataaaaga tggaggtttt gtctctgttg 240
 tttccctggt accctgtaag aataacaact tggtgctttt tgacatttta acttactttg 300
 aaaaatgacc aatattaact ttacatgtct tggcccttaa atctggagtg gggtaaaatg 360
 aaagaaacaa aagccatgta attangnaga agataataat tcaaggtaaa ctaatgaact 420
 gnctgnaccg actttattaa aanatggngg gacatgccat cccnaactaa aagnttaaac 480
 ctgacttggg ggaaccttgg gc 502

<210> 229
 <211> 228
 <212> DNA
 <213> Homo sapiens

<220>


```

<221> misc_feature
<222> (1)...(228)
<223> n = A,T,C or G

<400> 229
gagacactnc ggaaggcnca gaagatagaa cacagagggc naggccatgt gaanacagat 60
actgaaattg gagtgatgca gncacanncc aaggaatgcc tggagccacc aaaagntggg 120
agangcanga natagactct cttctatagc ctgtggagct ctggtaatac cttgnttttg 180
gatttctgcc ctccagaacc atgacagaat aaagtctctg cttaagcc 228

<210> 230
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(395)
<223> n = A,T,C or G

<400> 230
ctccttctnc aaaaagtggg atccaagttg tctacccttc acaactgaac tggctacatg 60
acttgctttg ttcgaactgg ctgcatgact tgctttgttc aaccaaagtc tgcagaagtg 120
acggtgcaac acttccaaac ttaagaggct ttgcatgctt ccatccctgc tcttgatttt 180
gagccacccc tgtcacacca gtcaataagc tggctagctg aaaaacgtat aagtgagcct 240
gtgccaggcc agccagtgtt agctgacttt tcacctaaact gcagacacat gtgcaaaccc 300
aacccaaata agccaagcct gaccagctc aacagaacta tcaggtgacc tatagacata 360
cgaacaataa taataaaaca aaacctaagc cactc 395

<210> 231
<211> 178
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(178)
<223> n = A,T,C or G

<400> 231
gtttcccaaa ggatccaaaa aactgagagg gaagagattt ggggaagatg tcacttttcc 60
tcacttgact ttgccttgga gtcagatggg agaatgactc ctggagaaca cttagccttt 120
tccagctttc cccaanaaag gctggcccag ggaggcttct ataaaccttc tccctatg 178

<210> 232
<211> 299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(299)
<223> n = A,T,C or G

<400> 232
ctcaccagag acctcaaata cttacctgga ggtcaaaaaa cttgctgtag cgccggtaaa 60
tggcctcngt ggagccngtg gaccacgtga cccggatgat gtacacctgc gggagcaaca 120
aaangagatg ggtgtaaca ccagaagggtg gtctcccaat ctctgggacc cagggggagc 180
ncaagactca nagtcanaaa gacgtgggtt tcaaccttag ctctgccaat gactggctgg 240
acaagttgct tgctgtaagc ctcactctcc tcttcaataa aatgagtgtg ataaccccc 299

<210> 233
<211> 137

```

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> n = A,T,C or G

<400> 233
gngaggatgc naaganaaaa ggtggctgnc tгнаaccagg gagggagaan ccttcccagg 60
gaccaatcta gcttgaactt ttgactttgg acttcaacct ccagtattgn aaagaaataa 120
atatgttttc aaaagtc 137

<210> 234
<211> 216
<212> DNA
<213> Homo sapiens

<400> 234
agatatgggc tcactatggt caagtctaag actcaaactc caggactcaa accatcctcc 60
cacctcattc tctcaagtag ctgagactac agggatcgaa agatgaagaa ctcttggtga 120
agctcataac tccctaatta cttattatta acagtgaaaa tctgattttc aaagttggtt 180
aatggtcatg caataaagca atgtaagacg actgcc 216

<210> 235
<211> 281
<212> DNA
<213> Homo sapiens

<400> 235
gtctttggac ccagattgga actataccat tggtctctct gggtttcaag cttgcttgct 60
gactgcagat cttgggactt ctcagcctcc ataattatgg gtgagaagca ggagctcaga 120
gaaggtaaaa gcatcaaaa caccacagca acaaagattt ctcaggaaat tataaatgct 180
gagaacagtc ttgttttctt tgcgttggca ggtgactcac tgcatagata tgatcatctt 240
cagagcctca ttatagggtt agcaattaca ttttaaaaat t 281

<210> 236
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(491)
<223> n = A,T,C or G

<400> 236
cttgctagaa gagcactgga gatagagtcg gatacgcttt aaaggacaag ggaaaacagc 60
tcccagtgga tggtagacac atggcaaaaag gccaaagagta gaagcaccgt cattaggaaa 120
aggaatcagc caaggtccca ggcaagaaga ggtgaggcaa atggaggctc tgaggaaagt 180
ggctccaaaag cctacatgat ggaagataac tctggaagag aaagagatga ccgttcctaa 240
gcttgatatag caaaaacttga gagaaggtaa cgaagatgtg acatctgaac tcagagaaat 300
ataacttcta tagaaaagaa acaaggcctt gcagctctat aaggaacagt aaataaatca 360
agtatgcaca caagaagtaa aaaaatatat ccnagtagaa aggaagcttt tcattgaaat 420
gnccccagaa ctcatgctct tgganggccg ggatngcaaa atcaagnntt tttttaaaaa 480
ctcctaccg g 491

<210> 237
<211> 199
<212> DNA
<213> Homo sapiens

<400> 237

```

aggataaaaa agaagtaaga aaatagagtc tctgaatata gatctttcaa ctgaaaaact 60
gggctgtgaa gcttttggac tcgaagtaca gcctttcctg agtctccagc gcactggcct 120
ccccccatca gattttggac tctccaagct tccacaagca caggagccaa ttccttaaaa 180
taaattctgtt tctatatcc                                     199

```

```

<210> 238
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<400> 238
cccccaagga ctgggatcaa tattggaaac ctgtgcttta gttcttccac ctctgctgct 60
gctatgctgt gtgacctcag gactgggccc actgggagca ccatgtggag aacagagaca 120
aactggagtg ccttggggag gaaggaggag agcacagtct ctgagtcagc catgaggcag 180
agcaaataca agtgggtcatg caggaagaag agtgctgggt ctgcgggggc ctaagaggga 240
gatgtacggg ggggtgtgctt tgttcaatat gacaacacta cc                282

```

```

<210> 239
<211> 206
<212> DNA
<213> Homo sapiens

```

```

<400> 239
attgagcacc tgagagtctc aagtaacaca cctgggtttgg ctgctttgct gaagacactc 60
cgtacattgt gacttggtgc tctcaccatc aacaggaatt gggctgtgca agcaattctg 120
aaagaagtgt tgtctactgc tgtgaaagtc atcaacttta tcagacccca gtcctgacct 180
cagccttttc aagaaatatt gtctag                                     206

```

```

<210> 240
<211> 472
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(472)
<223> n = A,T,C or G

```

```

<400> 240
cacttggcac tgtacnaaac accttcatat ataccctgtc accctgactg agcaggatcg 60
ctcagttcca ttttacagga tgaggtgaag acttttcaaa gccagagctc taccctgata 120
gcacaccgtc aggatgttca ggaagagcct catgggttat tacagctcag gatgcatcca 180
gacactgtct ccatggcctg cggagctgct ctctgaggac tcacttcaact gccctcatt 240
tcccaggctc atggagatat actacctgtc acctctgggc ctggagggca gatggaggta 300
agatgcaaag gaagactgcg tcgtcaaagc agatgggaagc attccctaac acctggggca 360
tcctgggtcc taacttaatt actaaagaat aagggagatt tcaaagnaaa atgnncagac 420
attnnttat ttgaacataa aactgggggc cncaccagcag tatttttggtta ac        472

```

```

<210> 241
<211> 283
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(283)
<223> n = A,T,C or G

```

```

<400> 241
ccttgcaaat angtgatttc ctgccagtc ctgcctctgt gaccaacctt gattgttcaa 60
agtatagctc tgcaagcagt ggctacggac agtttccaac atgcaagttc atctccgacc 120
ccacttcata attcctcctg cccccagcac tcctggatgc tatgctgaat tgttttggtta 180
ccttttggtt gtgagccttc ttaaaccttt ctttcttcta ctttattatt atcattgtat 240

```

tataaaaagca atagatgctc attacttttaa aaaatgtaaa agc

283

<210> 242
<211> 193
<212> DNA
<213> Homo sapiens

<400> 242
gcactgtctt cataagtcca caggtctcaa actccagcat ctcagaatga aaggattcac 60
aagtgtcac aagaggcttg gctgccaggg gaagctccga cctgaagatt tgaactaatg 120
agggactata aaggccaaga ccttgttctt gccatttttag agattcagaa tataatctac 180
aaagttagag att 193

<210> 243
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (501)
<223> n = A,T,C or G

<400> 243
cctgcagagg tcanggagag agcccgatgg cggctcttaat gaagaggaag gaggaaagga 60
cgcagctttt tttaccccc ggcttaattt actccgtatt cggttaact tactccctat 120
tctaccctcc ggtcttcaag ttcccttaag ctcggtggcc tgttaccag taaaactaca 180
aggaaatggt ctgtgtggtg aattttgaag ctgtccacag tacagatact ccagtgtctg 240
cccttccaga aaagagctgg acctaaaggg tctctctgtc tcacgtgcag actcccaggg 300
cgggattaaa aaggcaaaaa tccnnngttt cntngcaaat ccnnggnant nngggnnnga 360
nntnntnntg ccncnntttg ggangaang aancanaatt aatttngggg ctntaaaggg 420
tttatttata aangggcttn gggnttctat tttattgggg aanaaatncc ggganttaaa 480
aatntaaaga ccccttcca a 501

<210> 244
<211> 327
<212> DNA
<213> Homo sapiens

<400> 244
gttcttctta acaagaagct acgaagttct tattcagaaa aacggaacac gacatcacac 60
ccacgtgaaa aaaacgcttt taagaggcca agtcactttc acctcccacc aacttgccaa 120
aggctgaaag caggcggaca cgcccccaag cgctcttctc cgatttcatt ggttgccccg 180
gcctgtctct cattaggtct ctctcactgg tcagcaatgc cgctttcaca gccaatctc 240
agaaccaatc atctccaact attgccccgc ctctccacca cgtgagtggc atagggtgcca 300
accaataaaa aaagaaaata aggatgt 327

<210> 245
<211> 100
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (100)
<223> n = A,T,C or G

<400> 245
gcangggcnt ccngnggttc aagggtacaa taanctgcga ncgtgccnct ganttctacc 60
tgggatgaca gagtgggacc ctgtgccaca aagagagacc 100

<210> 246
<211> 505

<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(505)
<223> n = A,T,C or G

<400> 246
aaggctgtct cctgcgagga ccagaagttg agccaaggca cgtggaactt acaatagcag 60
atggtaagaa ccagggcaga aggagaactc ctgaagcctc cgaaggaagg aaatcattac 120
agggccctac agaagtaggt catgtgctac agctgtcat agtttaagag gaagaaacat 180
gggatctcaa acctggaaca cgactctttc aaaatgcctg tgagcaacc cagaaaaaca 240
tcctcctgag gcttatctaa taaccatgat ctctaactgt ctcaatgtgt gctcatgttt 300
ccttaagaag tttgcaccca cttctcagag ctaacgagat gccgaaacag aacacagaaa 360
aaagtaatga aggagattta ataagntgng ntaaagctna tatgggccat taaggggcng 420
gcttttttta aaacaanggg gnggaaccgt tcccctnttt tttgngggaa aagnnttttc 480
nggggcangg acctggaaac cattc 505

<210> 247
<211> 139
<212> DNA
<213> Homo sapiens

<400> 247
ataaaatctc ctggcagaga aaatggacag tcgttccata ccatatgtct tctcagcttc 60
aaaatcaaca acaacaacaa caacaaaaaa ccccaaaact tccatcatct gcagaagtca 120
aataaaactt tcaaacttg 139

<210> 248
<211> 261
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(261)
<223> n = A,T,C or G

<400> 248
ttgtaaatga tgctcatgaa aagagacccc agcatctttc aaactgangg ttaaccttat 60
tatcaggata atcaccaatt cacaggaagt tgcaaggatg gtatggagag cttccattta 120
ttcctcggtt ttccccaatg attacacctc acataactgt acctcaggaa actgaagctg 180
gtacagtgtg tgtgtatagt tccatgccat ttcgtcttaa gtgtagatct ccaatcaaat 240
aaagaaatat cctgtcacca c 261

<210> 249
<211> 241
<212> DNA
<213> Homo sapiens

<400> 249
gtgggggtctt tcagtatgta caaacataca tgattcagga taaaagatgg atcgtacccg 60
ttctcaccac agaaaagtaa ccggagactc ttctaagaaa tcgagaaaag aacgcccttt 120
ctcctgccct cctgtctaaa gcgcaacata ataatcgaat ctcccaagct tcttaggggtg 180
ctgagtgttt taatccacca gccctcttca actagttaat aaatcctttc cagaccgaga 240
g 241

<210> 250
<211> 505
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(505)
 <223> n = A,T,C or G

<400> 250
 gnaanctgnt agnncatgcc ngacaccttn tctccatgcc tgcncctttct gttccaagcc 60
 atntgggtgga agcaatccaa ttgcctgcag aatcatccga aagcatcact gggaagaagc 120
 tgggtggaact aagaagcaat tcttttagcct gacagccagt ctgttttttag tattttctaaa 180
 catgaaatca tctcaggaga agccaagggc tgctcagggtg atttgcctga ggtcctacaa 240
 ctcacactg actgtgtttg gaggaaggaa gtaattaact ataaatgtga ttataagggt 300
 ggggccttaa tctgatagga ccagtgtcct tataagaaca ggaagtgtgt gccgttact 360
 gaggaaaagc catgcaagaa cacaagaaa angcggtgt cttgcaacct ngaagaaaan 420
 ctttgccctaa aactaatcct gccgggcatn ttaatcttgg naattccagc ctccaaacag 480
 nganaaataa aggctggtgg ttatg 505

<210> 251
 <211> 90
 <212> DNA
 <213> Homo sapiens

<400> 251
 agaaacaaat acatcaacgg agacaacttt ggaaacaatg gaaacaaaga accaaaaatg 60
 ggctgcaca taaataaaaa ctccatatac 90

<210> 252
 <211> 589
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(589)
 <223> n = A,T,C or G

<400> 252
 aagaaggggg tttccgccat gggtngccca ggctggtctc aagctcctga actcaagnga 60
 tcttcccncc taagcctccc aaaagnctg gggattacag gcatgagcca cgactcccag 120
 cctgaaatat annattttta tcttcagctt gcattttgtt ctaaacaact tgttttcaaa 180
 taagaaccgg gcagaaccaa gtttaagcca ccatttgttn ggaggccaga atcaatttta 240
 ttgggtggtg gttcaaaaatn gggaactggn actaagcctt ccttcttccc ctccatcctt 300
 cctagcccat tgnngcangg gggaaaatttt tctcnttttt tggnnngggg taaaacaact 360
 tctttccctc attctgggaa ttngcccttc aacctaattg ttggacaaac cgaaaaaaat 420
 ttcaaaggcc ccccaaaaaa taagcaaggc aaggcctacc attaatncct tttggcatgg 480
 aacaangggg gaaaattttt ttttggcctt aaanggnntn gggggcctag ccaccttgaa 540
 aaaacaanna nggccgggt tnacctttcc gaatcntggg gggcttcca 589

<210> 253
 <211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

<400> 253
 gttccaggcc atcaagctac aaanggactt accaatggtg ccttnaaaag agctcaacgt 60
 gcggntntn ttgngacat caggggncn ananaaatg gnttaattta tgtaacaaat 120
 cccctctgga ggacaccana actgnngggc ccctntttg ccctnatccg cngaaagnag 180
 cccgaatgac cactncccag gtnccaacag cananggggg ggcenntcna aaaacnagga 240
 ctgagaggag ggaccccccg gctttctggg tctcngggg gctcacaaaa gttgtgaaan 300

```

tcattttat  tcttgctca  agacnttctt  ntgtgctggg  gngaanaaaa  attgaaacat  360
atgcttttaa  aaattctaac  aaccacggag  ttgngcattg  tgttttnttn  cccaagaaa  420
agcttttaac  agnggaaaaa  tttgntnta  agcttncctg  ggggctctnt  tcctggggtn  480
cctttccttt  tccctgaa  498

```

```

<210> 254
<211> 303
<212> DNA
<213> Homo sapiens

```

```

<400> 254
ggccttcctg  gaaactgctc  tgggtgtcaca  gaaatatatc  caaggatgga  gtgtgtacgt  60
gtacaagctc  gtctgaaaag  agttggcttg  caaatgggag  aagctgtcca  agaagtattc  120
tcacaatgaa  ataatcattt  tttttgtcc  ataccgacaa  acaaccagtc  aattcagctg  180
gaggaaaaaa  caaacaacaa  aacaaacatt  ttattttcca  aatttgtaat  gagttcgctt  240
aattattttt  ggttttattg  gttatctaca  tagttgaatc  ttaaactctga  attttcataa  300
ccg  303

```

```

<210> 255
<211> 441
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(441)
<223> n = A,T,C or G

```

```

<400> 255
caggatggcc  tagatttcct  tacggcatcg  aggacgagat  ccaagacagc  aaaagcagac  60
tcngccaagc  ctcttaatgg  caaggccctg  aagcagcaga  gcttcacttc  tgccacctcc  120
tattggttaa  agcctgtcac  aaagcctgtc  gagattcaga  aaaagagaga  tagaaccac  180
ctcctgatag  aaaaaagctg  cacatgcata  aagaaaggag  aggattgac  agctatcttt  240
gaagagtatc  tgccccatta  agccatggga  tattttcccc  ataaaagaaa  ggactatgat  300
ctggattgta  gaaactgata  tatagacatg  aatctgaact  taagagaatt  tgactaatcc  360
catctgntca  aactggcatc  actcacacat  atttctgnaa  ggattcactc  ttccatgggt  420
agcctcaata  agaattcatg  g  441

```

```

<210> 256
<211> 431
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(431)
<223> n = A,T,C or G

```

```

<400> 256
aaaaatcctg  cctccngtgc  tcttgagtcn  ctncntntgcc  tncaggnggg  tcctggcnca  60
aagggggggg  ggcataccag  cttaaagaac  tgtgttcnnt  tgntgcaac  cctgnagtac  120
anngnatnng  aagncctatg  ctgctctgan  ggcgtcggaa  tatgngancg  atccttgctt  180
cctactanac  tctgggtgcg  ggctgcanat  ccacaaagcc  caagctgcag  caagtccgaa  240
ggcgcnccgc  anggggagtt  ccttctcagg  agactgnggc  ttgctctta  cggccttcga  300
cagaatggat  gaagcccccc  cccctntgg  anggtaaccc  gctgcattca  aaggcnaccg  360
antnaactat  taatcctatc  tnaaaaacng  gcttccanaa  acaaccacac  ttgtgtttga  420
acaaaaactg  g  431

```

```

<210> 257
<211> 332
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(332)
 <223> n = A,T,C or G

<400> 257
 gagcctntnt ccttggaaca tgggcttcac tgttcacac agaaacctcc tgaaggaccc 60
 atctactctt caatcaacag ctggtgccct acgattctct gaatcccttg cctggcctca 120
 aaatccctca cctcatggct tccaccagtc ctggactact gtgttcctta cacaacctta 180
 accaagcccc cacattgaca caccacctt aaagagnact gctaggcttc agaaaaccca 240
 accttgcttc ctctctcca gacaggccaa agccctctgg aatcagcgcc ctcccttcgg 300
 caagtgaagta ataaactcag ctttgcctta cc 332

<210> 258
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 258
 gtgccaatat cggtcagaga acaggatttc agtggcagag ttgttgcctat actgttatct 60
 cttcagaacg gaggcacaag gagagatgaa tgccacatcg caaggagcaa aggagagaga 120
 gagaagaaaa tgggtgtcagg tggcatgttg gatgtgattt ttgttttagt agagattgag 180
 atgactgtaa attgttttagc tgattccttc ggtctgcaaa gatacatttg tgttggtgct 240
 gatggttctt gactaatcct gtttcaatta caaattggtt atgtttttca aataaaactt 300
 ctggcactt 309

<210> 259
 <211> 427
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(427)
 <223> n = A,T,C or G

<400> 259
 gctttggaag gagtttaaac cttaagctta ccttttcaat catccactac cccaggagaca 60
 gaaggtgggg aaaactcaaa ggcacangct tgtactgaga agttttgagc aatggagaag 120
 aaagtgggag cttctgactg accttagccc accacagtca ggctncaaga ngggagatgg 180
 cctgggntna tggctgcctt tcntctgggtg nnccttacct tttgggaaaa cccccanggn 240
 nagaaaagtc ttcaagtctt gtcagactgg gaagtcceca actcccaacc tnaggaagca 300
 gcccttgga angagaagga tgagattttc caaagctatc tcttaccact ttccttnccc 360
 catctcattc cntccatnta ttggggagaa gncctctnaa gttnggcctg angcttctga 420
 gggattg 427

<210> 260
 <211> 478
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(478)
 <223> n = A,T,C or G

<400> 260
 acatggaaac tgaggaacag agagatcaca tatcttgac aaggctcctac agttggagag 60
 agaatgacta tttcaacaat ggcaaatagg gttcatcatg tatgcacact ctgattgctt 120
 tgtggtggct tcctggatca ctgggttgaa aaagaccag gctctgtagg aggtgggtga 180
 ttaatgatgt ctgccattca gaacaaagat gtagcagcag gtgtacctca tttttgctgt 240
 ctctggacta ttccattgaa gccttttagtt cctggattat ccaattagcc ctagctttcc 300
 tggcagtgtg atctccctct gccttaatat cagccctcag ccctcgggat tcttctctct 360

gatatccaca ctcattgcct ttgtttctct gngctcccta aaacaacgac tttttctccc 420
caagccnaat tggaantaan tctacctcc agnngnanac tggccccggt cggcagcc 478

<210> 261
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(412)
<223> n = A,T,C or G

<400> 261
gaaagtagcc aaatcacctc cctggctctg gaaggggtgtg gaagtgggtgg agtaagagtc 60
ccagcccaga taagggatca ccaccagaag atgaagaaga tggatatgtcc agagatccaa 120
aggcaatgcg ggcctcacag tagatgccag cacacagtgg tgacaaacgc ttggacaaaa 180
cccatcaatc tcatgaacag cagagaggag aaacattgag tgaggatcag cagcctccta 240
gagcactagg ctctgcatc agtctcctgc aacttagata ccaccttgag gtcgggggtg 300
gtgacagggt tcatgtgcaa ttgatgagtt tgtttcaatc taaaaaaaaat taggtggggc 360
ccagaatgaa ctaagatgat gtttttctgt cttgganggg accgggcctt ga 412

<210> 262
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(389)
<223> n = A,T,C or G

<400> 262
gctccagacc tgtgtgtgca ngtgcctcc tggatgcccc tcggttgtct aatggacatc 60
tcaaacctca catgtctcca cttgaaaagg atgagtttca tggaaacctga gcatgcccac 120
atgcccttac tcccttggtg gccccacac cgtgcctgct cttccttcag ttgatcaggt 180
gaaaacctca gagtcacttt taacacctcc atttctctcc tgtgccaaca accaaattat 240
atccaaaatc tgaccacttc tcaccacttc cacatggact gctgtgttca agccaccacc 300
atctcttgcc tgcattagtc cagcagtctc ctanctgaca tggggactga gattcagaat 360
atctgggagc aaaggcttta tcctgaat 389

<210> 263
<211> 298
<212> DNA
<213> Homo sapiens

<400> 263
aatgttaacc acaggacggt ccagctgtga ctcattgcaa ctactgacaa gcaagctgga 60
gtggccctgc ttttagagag cctgaagatc tactcagagt gaacaatact tgaagttcta 120
attgagttac agaaaggaaa ctagtaaaaa ctaagaaaga ttgcgattct caccttgaat 180
atgcagatct aattttctata actgtgttta ggggtatatt tctaaattac taaaataatg 240
cttacatttt caaattggcc attaaatata tcttcagatg cggagatgtg tatattac 298

<210> 264
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(470)
<223> n = A,T,C or G

```

<400> 264
acagagctct gcaggcacag ctgaggacgg cctctctttg ggtccccag actcatccct 60
gggagctcac aactggcaga gggagacaag ggcgctccaa gcagcagccg tgggggagtg 120
gtgatctcca gcttcaactg ccgggccgtg aaaacaggaa ccagccctcc aggccaccgt 180
ttctctgaaa ccaaagctca gcaaccgaaa aaggatcaaa aaagcagatg gtggaggtgg 240
agcgaggcag ctgtgcttct cagtgccttc tgccgtcttc agcccatct ctggcacaag 300
tgggtccaagc agcccaggac tccatggcag gccctaccct tgcaggtgaa ctgcctcggg 360
tctnccagcc tccacattca catatttcaa acagaaacac caccaacttn ctgggctnac 420
ccnttgggaa attccccaan gaaaacaaag ggggactcat atttgggcca 470

```

```

<210> 265
<211> 202
<212> DNA
<213> Homo sapiens

```

```

<400> 265
ctgaggaaaa acctacaagt ctacttggag gaatccccag cattttcaac aggatgtcag 60
aatgaccttg ggctatgttg gcaaagcaca atgggaagaa gacaaccaat tgaagggtcaa 120
actaggcctt aaaaaaaatt gttcttctta aatgaaactt tatgtaagac ccaaacttcc 180
tttatgtaaa aataggatac cc 202

```

```

<210> 266
<211> 258
<212> DNA
<213> Homo sapiens

```

```

<400> 266
ttttccgtct gtccagctcc accactaaat agtgtcttta ttccgaggag ctacctgatt 60
tgggactcag tcttctctaca aggcacaaaag agaagacctg gatgctccac gtgggtccaga 120
catggagcaa gtaaacccag ctctcgccac accgcacagt ctctcagcc tcctgtctcaa 180
tgtgctttca ttggaaatgc ttattgtaaa tgatgacact tttttaaaac caaaattcaa 240
ttaaattcaa tacatatt 258

```

```

<210> 267
<211> 320
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(320)
<223> n = A,T,C or G

```

```

<400> 267
gataataaaa catgaagtgg aagatcttct agaccagcac cttaaatttg cagatgagaa 60
agttggaacc cagaaaggct gagaggctca aggtctcaca actgtttatg ctcaactggg 120
aaatgaattt gtttctctgg cccatcaggt caacattctt tccactcagc tatgccgnct 180
cctacctcct gaaaagattc tagcaggacc ctctgatgaa aaggacctta tctttttata 240
tctgctgttt aaagcttttt tttaaaatca tcgcacgatt ttatgagtta agttatgtac 300
ataaacaat actattactt 320

```

```

<210> 268
<211> 498
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(498)
<223> n = A,T,C or G

```

```

<400> 268
gagcatgacc agcagactaa cgcagcaagc agatgatgct cctgatgaaa agggcagacc 60

```

```

cagttgagcc tgggctacgc tgacacagac tttgttgctc ttcatttggc aaagttcctc 120
ccagaatccc tgcaggcata caacagatgt tcagtaaaca ctcggttgat gagaactctg 180
ggaagacata gctgttcgac gaacaggcat cagaatttat catttgaaat tatcaactca 240
aaaattcttt ttttctcat acatattctg cttatgtatc aaaaattatc ataagaaacc 300
aagatttctc agaacatgtg aggtcaaaat ggcttataat gtaaaagaag tggagtctca 360
atctatactc agtatctccc tctcttttat tcatacacat atggacactt gcacttctaa 420
gaaaaaatga atttttttaa actcattcat ttattaaatt gatatggatt aaaccangna 480
atattcataa catattct

```

```

<210> 269
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

```

```

<400> 269
cntctctgga gagcttncat ctgcaccatg agcccatgcc atcttctgac tcctggagct 60
acagtgaaga tatattttgt attaatgctt aacttcttca tttcagttgc cattgaggta 120
gcctaataac attcataagt aaatactgga ttttagtttg caatagaaaa accttccatg 180
taatataata tgtctataca attaataatt aattactttg ttaaaatatg tatctttaaa 240
taaataaaca ttggtagaga ccaaaaaaaaa aagaaaaaaaa aangggccacn gngggccaatt 300
cagctnggac ttaaccaggc tgaacttgnt caaaaggggg gg 342

```

```

<210> 270
<211> 159
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(159)
<223> n = A,T,C or G

```

```

<400> 270
ccagcattta tggatcttca gaggnntctc tctgtgataa ttctcatca aattaccaat 60
aagaaggata tgaaactaca gccccacaaa ggatgcttgg tgaccttcgg ccctgagatt 120
tacagtctgc ggaagcaata aagtctctct ccctctctt 159

```

```

<210> 271
<211> 521
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(521)
<223> n = A,T,C or G

```

```

<400> 271
ggcaccgcaa gacaacgtat ctccccctccc ctgtgcaatc agtcaaagaa catttagtca 60
acctgaactg ggagcacagc gctcctgggg ctggtgggca ttcaaaagag tgtggatcag 120
tgttaaaagt gcctcatgga gaaatggagg cctgaaaagc actctgaagg aggagtgggg 180
ctcagcaaac agcagacgag tttcaatcca agcaccatt acccccctaa cacacggcat 240
acgtgcactc catctctctc tgtgtcgcta agaagctacc catatgtctg tcattaattc 300
tccagaatcc ttggacacac ccctctgcag agctttctaa cagaaatata agtctcagat 360
ttttttttta gttaaaattg agtgcagcac tcataccttt cttegagcat gaaccgtcaa 420
tcaacactgc ctcatgagct actgntctcc tgccttttaa aaagacaaan ctttatttct 480
ttgtagngat cncaaagngg ngggattnac ccggaaactt t 521

```

<210> 272
 <211> 460
 <212> DNA
 <213> Homo sapiens

```
<400> 272
agtttcactc tcagaggagg attttgttct tcaattgttg agtgatctct atcaccagtg 60
actaaagcag atgttgaggc acagagagcc ataccccaaa atatgatgct tcggcatgct 120
gactgctttg aaaattgaaa ggcctcagaa ataatcctca gtgccagggt ctccctctga 180
cctcccccta cctccctttc tctctgatcc tgtctctccc aaagcacaga atgagctgtt 240
ctctgaattc ctttatctac ctagaaactg gacccccaaa gaggaacaca atttgccctt 300
gatcccttcc ctgaaatttc attaaccaga gaaaattaaa acttctatca caaggaagag 360
actgaacatt aaacaccata gctacagccc agacaaactt ctcccaaac cattgtttgt 420
tctctgcct gttaaattgc cagagaatca ttcacaagac 460
```

<210> 273
 <211> 224
 <212> DNA
 <213> Homo sapiens

```
<400> 273
ttgacaggaa ggcaatcatt cattcattca gcaagcaagc aagcaagcat ccacaatgag 60
cctggatgcc acatggacca cgatcaccaa ggagatcgat aaatcccaca atgttgttcc 120
ctgtcttcaa aaatttgtca agaagattga gatccactgc tgtaagatta cacagatgcc 180
ctcctcatcg tctatgacag gctataataa atcttgccag actt 224
```

<210> 274
 <211> 338
 <212> DNA
 <213> Homo sapiens

```
<400> 274
aggcgagaaa ctgtgggata agaggctgca gcaattgcat gagtagacco tgaagggtatg 60
aggtttgtta aaatggatgt tcagagaagg cctgacacaa gagggccact ccatttgtcc 120
ccacggacct gggccggatc tctcaatttc acactgatgg agcctgaaaa tcaacaaaca 180
agacggcaag aacagggaag acattgttct ctccaaagtg gacaatttgt gacaggccca 240
ggaaggctgc ctgggcttta tagcttttcc agtggttcct aataaaccag gctttgtgtg 300
agcctcgttc aagccatgcg gggccctgtc gtttcttt 338
```

<210> 275
 <211> 158
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(158)
 <223> n = A,T,C or G

```
<400> 275
tcccaggtgt atccaccagc tccgaagaga cagcgaccan gcaagaacgg gccataacga 60
cgatggcagc tttgtcaaaa agggggatat gtagggaaaa gagagatccg actgttactg 120
tgtctacata gaaaaggaag acataagaaa ctcccttt 158
```

<210> 276
 <211> 144
 <212> DNA
 <213> Homo sapiens

```
<400> 276
acttcagttg acccaggcaa ctgaaaccga ggaagcaaaa ccatggaccg tggaaagaag 60
catcatatag gactactgta ttatgtatta taggtggctg tggatatcaac atacttagtt 120
gataataaaa atgtttgcaa agtc 144
```

<210> 277
 <211> 561
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(561)
 <223> n = A,T,C or G

```
<400> 277
gagcccatca tggcgacgcc ccctaagcgg cgggcggnng aggccacggg gganaaangg 60
ctnnggctnca aaactttant antgancngn ctgcacggga ctggcgaaan ggggctgaac 120
catcgaaaca ggggtattatg aagccagctg ggccaaatac cttcaactgg agaaaatggg 180
catttgagcc gaacttncag ggaaagctaa agcactcggg aagttattat atgccagggtg 240
ggattttggg cctggtaaac tttcttcgtt tggacacagt gggccccaa gatacctttc 300
acgccatcta tgtggccccct ggggaaaaat ggtttttttc ctggagggtg acacctgggc 360
aagaaaagcct tctaaagttt catttgattc gtaaagaact ctctctcac aagaagcttc 420
aagcaaacag ccctcaccca agggactcca tgaaatatca aaagcccata tccacatgtt 480
gctagagggg cttaaaaaac tacaaagggc tggagaaatt tncaaaaaaa actcaacatt 540
ggcttttttt cccctacttc a                                     561
```

<210> 278
 <211> 338
 <212> DNA
 <213> Homo sapiens

```
<400> 278
tgtaagctcc accagagcag cagactctca taaaacctca tgggatgaat gaaaggagtg 60
tcatccctta agacattggc aacaaaagca tagcctgaca tattctacta caagtgcctg 120
cagtaaccta tgcagagagg agcaaatgaa ctcccacagg aagggtggacg atccctgagc 180
cagagataac tggaaactctg gcagtttgag tggacactca gtcacacact cacacactca 240
ctcacagcgt tatgcaattc caaaaattat gtgtttgggt ccaggaagat acatttttcc 300
cctctaagtc caaaaataag atagaaatgc atatatct                                     338
```

<210> 279
 <211> 271
 <212> DNA
 <213> Homo sapiens

```
<400> 279
gttcccagta gctgcagcag tgaaagacag tgattggctc cagtgcctcc agaaggattt 60
gggctgaagc caggggaaca gaaccagaag aggattccct ttccagagac catcaggctc 120
ctcatgtctt gtctctctc tctcccctcg tggtyggctca ggatttcagt atggctgagc 180
agcccatagg taggcctcaa cacttggtgt caccacttca gtctctatat gtttggccct 240
tgtgtaaaat aaacaaaaac ttgggcaacc c                                     271
```

<210> 280
 <211> 490
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(490)
 <223> n = A,T,C or G

```
<400> 280
gagctgggtca gctctgacct ggagtgtgtc taccctgacc gtgtgacacc gggatcaaga 60
ccctctcctg ggggtcttgag gacgccacat gtgggcgttg ctctaaagag cgcttgctcc 120
taagcctcct gcacatggaa cccaccatg gaatctgctt cccaggaact caccctggga 180
ccagccctc tgagactcaa gtcaacattt ggtcctaggg ctgcaaagag gaggtgctaa 240
gaggccaaaag gctacttcca cctggagaac gggccccgcg tgccagctcc cccaaggcct 300
```

```

ggccaggatg ctctgctcgg aggcctgtcc tgacttcttc tgctcattgc acctgaaatt 360
acctaacca cacccttctt cctcccaccc ttccacaaat acttattgag catctgctag 420
gtgccaaagt actggtctgc acaatgggca ttacngggcc tgaaagaaat taaacnggaa 480
ccttcttggt

```

```

<210> 281
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

```

```

<400> 281
gagggtgattc atcccaccag tgcttcttct gcagacagta aaatatgggc ccagtgacca 60
tctcaggtgc catgcttcca gcattttatc agacaaggct gaagacagca gacattaaac 120
ttcagttgtg tgctccacag aacattagct gtcttcatca ttactttgca tctttcagtg 180
ataggctgct tgacatgtta ggaacctgaa aatgatccca tcttgaccga atctcaaagt 240
cccttcctga gcagcactga tgaaacagat ggagcacctg gatgttatct gctttggatc 300
tggttctcag gaggaggagg agcagaaggc tgggcacaac ggtgtttgag gttctcaact 360
gccccagaa agaagggttg acttgattta cattgacttc aacttgatta tcttgatcta 420
cttaactggc ttttcggctt ttatgcttca agccnccggc angantggct tccttntggt 480
caacttgcan gnccttttgac ttgggattta ac

```

```

<210> 282
<211> 393
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(393)
<223> n = A,T,C or G

```

```

<400> 282
gctgtaagct ccttggaggc aaggattctg tctgcttcac ctctaaagct tcagcatggc 60
atgtgccctg caaatggcag tgccagtgga catatgctag atgagtggat gaaggacat 120
cccacatcag ctcacgtgg agtatgcagc tcagtcctcc cgcctctcag ggacaacttg 180
gatcttcacc gttcttcgcc actaagaatt cnagtcatct acattcagag ggaagctgag 240
caanctggct cctgcccaca ctggaaaatt tctctgccta aaccagcttc cctaagccga 300
ggggagagtc caagatcccg aagatggcag ggccgtgcag gctcctggga ttaagacaca 360
aacaagccct gttctcaggc tgacagtaaa tgg

```

```

<210> 283
<211> 139
<212> DNA
<213> Homo sapiens

```

```

<400> 283
ttactcatgt cagtaagcgt ttactgagta tctcctgcat cctgggcact tctccactcc 60
aatgtgacag cagtgaatca aacgacagct agccctgccc gcaggcactt gcattccaga 120
gagaggagac aaagaatac

```

```

<210> 284
<211> 482
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(482)

```

<223> n = A,T,C or G

```
<400> 284
gtccttgatc tctgtggctg tgagacgatg aatctagggt gtcaccccag acaacgaggc 60
tgcttcaaaa tcccaaagtc caaaggagga ctgcttcata agggaaggat tgtttatagg 120
ttggatatac gtgcaaaatt aagtatagga ccaaaaacag ccaagacatt tgaaagttgg 180
aaagttgatg gtaatggttt cctgggattg gaaggcagac ctctccgct gatgagcaaa 240
taatgaggct gtgctatgat caaggcattg tgacccctgt gaccacacg tacacatcca 300
gaaggtctcc tggagccaga aagtctggga caacaggaaa accacaaaag aagaaaaaca 360
gctcctgtct tagctgatta gccaaccttg cgaccttcta ccattggaac atgctctacc 420
cttacttant aatncacttt cnggaccntg ggctntgtga cccctcccc ttgggataat 480
aa
```

<210> 285

<211> 241

<212> DNA

<213> Homo sapiens

```
<400> 285
cctccatgct ctgaggaacc ccaagcagct catggagagg cccacatgga ggggaagagg 60
agctcccagc cagcattcaa cttgtcagta acggaagtga accatcttga aaggggatct 120
tccagtctcc aatcaagccc ccagcccaca ctgcttgga cagagaagcc gtccatgctg 180
agccctattc aaattataga ttaatgagcc aaataaatga ttgttgctgt tttaagccac 240
t
```

<210> 286

<211> 222

<212> DNA

<213> Homo sapiens

```
<400> 286
gaagtgggaa tgatgcatat tcaacgacgc ctacaaaaat tacttcagat tgtagtctc 60
agaaaccac tggtggcctg aggggacatg caaaaagaag aggaacagga gcagagatgg 120
caaattatta aggtttcaag accttaaaag agacaatcaa agtattcaga ttctcagtaa 180
aattaccaga ttaaatcaaa taaaacccca ccttttttcc ac
```

<210> 287

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(280)

<223> n = A,T,C or G

```
<400> 287
attaaatcaa gattatgtct gacaaccctc tcaaaatgat aaaaactaat ctgcagagaa 60
aactggctgc agaggaaccg gctgcagagg aaccagctgc ttctcctcg gaacatgaag 120
aggtgaacag agagatgaag cctntttntc ctccctcacg tttntgaang atcaaaatca 180
agggcancng ggagaaagaa taacaaaacc aacaaaactgg aggtcaagga gagntttttt 240
ctttttttta cttttctgcc ttttccattt ttaataaaca
```

<210> 288

<211> 435

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(435)

<223> n = A,T,C or G

```

<400> 288
ggcttatctc cttgttgtat ccagaatcat atgacaagca agagtcctag aatattttat 60
ctacctaatc atcccactgc cttattccag aaagaatcta aggaggaatt tttatttctt 120
cagtcaaaaag atgcaggaaa gacatcctac ctcttggaag aatcattgga ctggacatcc 180
aaacacctga gtcctagcct tgagtctgcc tctcacagca gtatgaccct gggcaagtcc 240
ttgtggaata agggcatgga cagaatgatg tcagagggtc cttctagctc taatattcta 300
cagtttcctt ttagttcaaa tttaaagaca aaatgtctaa cagtgggttct tgtttgttat 360
gaccagtgtt gncaaaagag aagttgtaca aagttttttt tgccctgnttt tcatgnatgg 420
gggagggggg gggat                                     435

```

<210> 289

<211> 166

<212> DNA

<213> Homo sapiens

```

<400> 289
caaacaggaa caaaggaaca aagtgagagt ggagactgct gagtcatacc taggagaaga 60
ctgcaactca cccagggagt gagtcttcac cctaactcac cggggaactg gaccgaccca 120
gacaatttgt taagttctgt ttccattaaa cataattctg agtctg                                     166

```

<210> 290

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(507)

<223> n = A,T,C or G

```

<400> 290
gaatttatgt tgatgcagtt aactccttgg gccaaacagc actttttggt gcggcgttat 60
tgggccttag gaaattcggt gatgttctgg tggattatgg atcagatcca aatcaaatgg 120
gagccctgtg ttgcacgctg agccccgctc catggaatgc aggagcattg ccatggacat 180
caattgtact catctccctc cccagccgct gctttgatgg gagcaccctc gtccatgcag 240
cagcattttc gggcaatcag tggatcctta gcaaactgct ggatgcagga ggtgacctgc 300
gactccacga tgagaggggt caaaacccga agacttgggc tttgacagca ggaaaggagc 360
gtagcaccca gatagtggag ttcatgcagc gctgtgcctc acacatgcag gccatcattc 420
aaggcttntn ttccaactt cttgaaaaaa aaaaactccc cgcagggggt tgtttacagc 480
ccgtcctggg ggggttgggt tctttttt                                     507

```

<210> 291

<211> 192

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(192)

<223> n = A,T,C or G

```

<400> 291
tgaatcgaac gccacactca ggtgagntga gaaaccctta ccgcgcgcac tgcaatgccc 60
tcccccttcac tctgcacct ccacccccct gaaattctgc ccttaggcta cggggcgctc 120
tcctttcgca cctccccca tgctgccaaag ttgtagctat agctacaaat aaaaaaaaaa 180
cttgttttcc ag                                     192

```

<210> 292

<211> 408

<212> DNA

<213> Homo sapiens

<400> 292


```

gtggtagaag tctgtcttct ccccggtgctc ctaggaagac cttcatgtcc tccttgacca 60
acaggggatg gtggaagtga ctctgtgtga cttgtgagac aagattctaa aagtcatgca 120
cttctgcctt gttctcttgg gataactgct cttggaaccc agccattgca gtgaggaagt 180
caaatagctc catggacatg ccatgtgtag gtgttctggc aaacagcccc aggtgaggtt 240
ccaactgaca gccaacgtca accacctgac gagaatgagt cttccagcct tgatctgctg 300
agtcatcgcc aactccagcc aatactgtaa ggagcaaaga tgagctgttc tgccaattgt 360
agcccaaatt gcagatTTTT gaataaaata aatgactgtt atcattgt 408

```

```

<210> 293
<211> 316
<212> DNA
<213> Homo sapiens

```

```

<400> 293
aagtctcagc catgaaccta gcagtgaagg aggaaaacat cttatgtctt gttctctaca 60
acacaaagat gaacataaag aagaaacaca gactctggcc tggagaagtt cagtgtcttg 120
tgggggagac tggataaata atttaaaaca tttatttaac acataattac agtgcaatat 180
gataagtaca atagctaaag tgtgggcaaa gtgtcgcagg aacaggaata aagaggagac 240
aacttccaaa aaaatcttac atacttaacc ttttcccgac attttgacct gaaaataaat 300
cagcataaca actcac 316

```

```

<210> 294
<211> 149
<212> DNA
<213> Homo sapiens

```

```

<400> 294
gctggtagca gaatggctgt tgttattcca agaggccctc ccggactata tcccagtgtg 60
tatagtccag tgaaacgacg ggaaaactat gaccatgaag caaatctgga gcaccacctg 120
atTTTTtaag gtagatttta ccgaaacac 149

```

```

<210> 295
<211> 233
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (233)
<223> n = A,T,C or G

```

```

<400> 295
gaaaagtgtg ctggctcctg tcctggatca actcagaaaa tgaaacacat cggattctgt 60
ccaggccggg cacagcaacc tggcccatnc atgtggagcc tgcagtgaca acttccgcta 120
tctgcacaaa actggaggga ggctgggggt gctccaagta taagtttcct catcancaaa 180
ccggaaagag aaagaccgac ctggaggctg gttatgggga taaaataaat atg 233

```

```

<210> 296
<211> 143
<212> DNA
<213> Homo sapiens

```

```

<400> 296
tgtacagagg aagaaccatt gtgaggataa agcaagaaga caaccgtctg caagccagga 60
agggaaaact tatcagaaag caactgtgct ggaaccctga tcttagattt tgtagtcttt 120
agaaaagaaa taaatattat ttt 143

```

```

<210> 297
<211> 201
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(201)
 <223> n = A,T,C or G

<400> 297
 gtgatactgt ggctgacagt atttactgtt aaatggagtg gaagtgagaa aacaccacag 60
 aagggggcac ctanattcga accgggggacc tcttgatctg cagtcaaagtg ctctatccct 120
 gagccctacc ccctctacct gtaataagct tcttccgtgt ccacctacgg tgactcaata 180
 caatcaagtt ccaccacac g 201

<210> 298
 <211> 77
 <212> DNA
 <213> Homo sapiens

<400> 298
 gctctgatga ttcttaagca aagagatgga agatggaatt tcaaccccat ggagatctaa 60
 taaacttacc cagagtt 77

<210> 299
 <211> 452
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(452)
 <223> n = A,T,C or G

<400> 299
 atgaaaaaac tgaggctggn aganggccnt gcccctgccc anantcatgn atntgnccta 60
 ngatggatgn ggaatnctgc cccaccantg gnggcnttat tattacaccc atattacana 120
 tntagaanac tgaggctcan cntgggtncct ttgccatgan cacacannna gangatanga 180
 gaggtggct ctgctccta tgcenctcct gatccactct ccaaaccctc ctccagtccc 240
 ctgctccaag ccatcagtta ggatgattct tataagccgg ggggtgtgaca tgccaaaggt 300
 gtctctaccc cacatactcc ctctggaanc aggacaaggt ttgctgagg tggacctggg 360
 ttctttctgg accagggact ttgctccaa gctcatttcc tcctctgtaa aacaggaatc 420
 caaccaacgt cagcctgaat gggctgtggc tc 452

<210> 300
 <211> 434
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(434)
 <223> n = A,T,C or G

<400> 300
 ttctcatca gaaggaagta cttcatcaat tacgtcctct tcatattcat caatttcttc 60
 cccatcatac tcatcttcgc ttcccacatc acttcctgac acctctgcct catcctccag 120
 atcgcttcag gagttcttct tcatcatcat cttcatgggc ttccagtgcc agatcattac 180
 cagagtcact gtgttcaccc tacaatatca gcatcatatc caaattaagc agaataaaat 240
 gcgtcctcaa tgaaaaaagg atttataaac atctgcccac atacctcatt ctaggaaatt 300
 gtttctgata agatgccaaa cttagaattc tcaagaactg aggggaaaaa aacacttgag 360
 ggcagcaata catggagctc aantatgaat acctttgggc ccttctacct cccctnatcc 420
 ttttcaaact catt 434

<210> 301
 <211> 456
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(456)
 <223> n = A,T,C or G

<400> 301
 ctctcaatct ggggcatgac tttgaaggga aggttgctaa gcctcctaaa tcccataaca 60
 caccaatgcc gtttccccac tcatctggaa acctgggtggg ncctgcccac acgcctgtat 120
 gccaatcca cctggctgct tggcgaccca ccatgccac attttccact caagcctttc 180
 anatctgctt tgggcacctg aagacagaga gaatcatctt tcaagagtca gaaactttgc 240
 acgtgccatt cctctgctt agaatgcttt tccctttctc ccaattgcct tatcatcagc 300
 ctgggaaaaa atttatttcg gctcctaaaa tctcagatat caattctcca ggagctttcc 360
 cagatgcctc acttgattcc agaaggagct atcgccactt ttgcctggcg agtaccgttt 420
 tcaccgttac acttatacgc tatggcaatt tattgg 456

<210> 302
 <211> 187
 <212> DNA
 <213> Homo sapiens

<400> 302
 tgactatatg acgtgtgatg gcccaagact gagtcaagaa gcagatgcaa gaatctagct 60
 gactttcagg aaattagacc tttaaagcgac ttgcaaaaat gaaaaacgaa gcctcttcca 120
 aattttttgt tttggaaaat tagttatttt tcataaaaaa cttacattaa agtattttatg 180
 tcaaggt 187

<210> 303
 <211> 449
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(449)
 <223> n = A,T,C or G

<400> 303
 tttcaggttt taggatgacc agtgagatgg tcagaacttc agaaccttcc aaggtgatgg 60
 gtcattcaag ctccaggaac gtcaaggcct caacagtttg gacataattt taagcaacac 120
 atataagacc cacaggctc cactgatatg actggggatc tcatgaagaa actactcgac 180
 aaagacagat actggaggga tagaagagtc tatgaagtac agaaaagagg aaagatctgc 240
 aaacaattcg gtgtcttctt ttaacttgaa actcattcta cccactgcta cagctaggta 300
 ctgtgctctt gctcagattg ctggaggggt ttgttngat gatctccttc aatacatcaa 360
 tactataagt tctataanaa tcatctcaga gcttgtttan aactcatttt ttttcttttt 420
 ctgggntatg cccttataat attcattta 449

<210> 304
 <211> 309
 <212> DNA
 <213> Homo sapiens

<400> 304
 gtgggggtctt tcaccggcca tgtccctggc tgactgtttt cctgctgac ctgaccagcg 60
 tccccggcag ccatggcctg cattcgtgtt ggtccctcct cctgcagccc cgaggaggca 120
 gggctgtctg tggatcccag atcggttgct ggaaggcccg gaagaggaga gctgccctcc 180
 accaccactg tctcctcctc ctggacaaca gagtcagaac actgctgaga tggggtgaag 240
 cataattggt gcaactgagac tcaaaactac aggcaagaag gtttgaaaat acagaaacat 300
 ttcacgaat 309

<210> 305
 <211> 174
 <212> DNA
 <213> Homo sapiens

<400> 305
 gatgatgctg cccttaatgc tcagctgatt acagactaaa cacaaaagtt cccagaggaa 60
 aatgggtggac ttgggagctg ctgcctcagg aggatcttga gtgttagtgg ttcctcccta 120
 tcagatgtac ctaatgccca ggatttaata aaggatcatt cccattccac cacc 174

<210> 306
 <211> 464
 <212> DNA
 <213> Homo sapiens

<400> 306
 gagccccctt cctggacaca ctctgtcttt tcccagggaa tgggaagaaa caaaaggatg 60
 atgacatgac acctaataag tctggatctg gaagtaagtt tgatctacgg ttcattaggc 120
 tggagcagaa aaaaaagaaa ggggtccggtg tggtcgctg tgtgccagg atggtgttac 180
 gccactcatg tgccttatat tccctacaac ccctcaccac aatttatcac ttcaaaaatg 240
 ataaaagctg agacttggag aaactagtaa ctaacccaaa gtcacccaag aaggagggtg 300
 caagctaaga tcaagcccca ctttggtggg agctaagagt agcccttgg agagtcattg 360
 ggttggctaa ttcttgccct tggaaacctgt ttctatctcc attcagttcc tttctttcct 420
 gtcagttgga ctgtaaaact taagatcacg aaatttcctt ttat 464

<210> 307
 <211> 481
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(481)
 <223> n = A,T,C or G

<400> 307
 agcttttgcta gccacgtgtg gtccctagac catcagcatc aacattacct ggaaagggcc 60
 tcttacagat gcagaatctc tgccccaacc cagacctatg gagttaaacc ctacgggatt 120
 tctagatgtg cgggagtga gggagctggt gctatcagac ctcaaggctc ccaacaggac 180
 aagatcaaga gggattccac tcccacagac cactcactca ccctaggaag actgtgaaat 240
 gcctgtcctg gtgcttagtt tgaattgttg aaagaccatc tttacggcag aaatgctttg 300
 tcatttcact tgataagggc cttgggtttc aagccagttt actcttttct gtgagcattg 360
 aaagccccct ttttnatttg ctccgaggca ggattttgac ttcaaagcca aaataagaat 420
 ttaggaagaa aagaaaggga gggaggaaaa agggaagttt ggtccaggaa aatgaaaatg 480
 c 481

<210> 308
 <211> 177
 <212> DNA
 <213> Homo sapiens

<400> 308
 gggcaaacc atgctttatg aagcctgatg cttacacaat tatgggagcc ttctttgaaa 60
 aaaaaatttc aaaattacaa atgcaaaatt aggtacaaaa ggggaatattt acaatgagaa 120
 atcaccacaa atggcaagat ttaaacagct gacaaattaa acagcgcaaa atccagg 177

<210> 309
 <211> 366
 <212> DNA
 <213> Homo sapiens

<400> 309
 gttgcaagaa agctcaagta gcctatggag aggatgcaag gcttccagct gatgccctca 60
 gccaggctca gtagcagcca gaactagcct accaacgaac ctgctgatca tgtgcataag 120
 ccaccttgaa cgtcgatcct cctgcctggg ggagccatcc cagctgatgc cacatgaagc 180
 agacacaagc tgtccctact aagctctgct caagttggat attcatgagt gaaataaatg 240
 actgttacta agtaattaat ttctgggtgg ctgttatgta gcagtagata attggaacaa 300
 agcttattga cataatacat ctatatcaca tcctccaatc cattttttta agtaataaaa 360

gtggtg

366

<210> 310
<211> 292
<212> DNA
<213> Homo sapiens

<400> 310
gacccaaatg tgaataatgc caacagcttg ctgtcagccc tgaagtttcc tcagatgtct 60
cataaacact ggaatcactt cacacgtttc tgaaatgtga ccacctctca ggaggagtgtg 120
acaacactga gtaaccggaa gggaggaaca cttatcccac tgaaactggg ataaagggttg 180
ccatgaatgc aagaggtgcc taaatctctt ggcatgggga cttaatgggg ccttatccct 240
cctgctatat ggtagcaaaa taagaaaata aaaaccaaaag taatatgcgt tc 292

<210> 311
<211> 195
<212> DNA
<213> Homo sapiens

<400> 311
atgaaagaaa gagaagtccc taagtagaaa ctgcaagggc caagcagaac attataccat 60
gtaaggacat catctgtccc tggactctta agcggaagat catgcaaata gtggactgaa 120
gtcatcccag ccttcaaaag agccaccgtg ggggggaaat aacagaaagg gataaaaagc 180
tgtctttcgt aaccc 195

<210> 312
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

<400> 312
aacagttctg gaggccggaa gtctgaaagc agtatcagta ggtggaaatc agggtgccca 60
gcttctgggt gctgtgacat tccttggcct aagctgagat ggcagtcaat gagagtgact 120
gcagaaagtt tcagaaggac acatgggaat catttaacca ggccaataaa atcagctatt 180
tatacacttc ccccggaaga catagccctt gcttcactgt ctgaaggaga gaaaatgcaa 240
aagtgataaa ggcatgaaaa agtcatattc ctgagctaca agagagaaac tgaggacagt 300
ggagatgaga ataaaatccc taaagcttaa aggatgctgg atctggattc tactggatgg 360
ngngccttna aaagnngact gncctatcct ttccacatat gttagaggtc acacacaggg 420
agcccacaga ccccgacatg ccaataaaacg tgtttcttgt gaccataat aaatg 475

<210> 313
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(425)
<223> n = A,T,C or G

<400> 313
gtctactctg tgaaaaggaa atgatcatatc ataattcacg catttgctgt acggatttaa 60
ttaaatgata gacaaaaagt agagtggcac aagtcaaact caaaaaatag taacaacaaa 120
atcaatttca aaataagcaa cagcaataaa tgttacctac tattttacga atgaaaatac 180
tgagaccaat aaaggcatta tagtatacat agccttggaa tcagaagacc aagaacatac 240
aagagaacat agccttggaa tcagaagacc aagaaacaat ttaactctgc ccctctagag 300
ctctgagaac ttgggcaagc cttttaccct ctgtgagttt cagtttcctc atttatttaa 360
ttggaatnat aattccngat cacctgaatg taatgaaaat taaacatcct tatgtagggtg 420

aaacc

425

<210> 314
<211> 478
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(478)
<223> n = A,T,C or G

<400> 314
gtagaagatt ctgaggccct gggcggaac tagtaagcca caatctggaa gagtctttta 60
ccaccatgtg gaggagaact agagcactca tgttgaacta ttaccganaa aagtaatcaa 120
cttcttttgt gttaagncac tgaaaggcaa gtgttgattt gttgcagnaa tnggggctcc 180
cttaacacac ctgtcagccg ggccaaactc tatcacagca taaataatct tttccttaaa 240
taaatacagg taaaagaata aagtagacct aaatgcatta atatgaatat aggctcaaag 300
caaaatgttg ggctataaat gttcagagtg ataatttttt aagttgatgn gtaatttagn 360
nccagtaaat tagaataaaa cctaaatgtc agttcaaatg gaatttttta catgttcatt 420
cccctgtata atcacctccc anaaccaaca tagaaaatac ttcataataa atgttgagg 478

<210> 315
<211> 325
<212> DNA
<213> Homo sapiens

<400> 315
tggcaagaca ctggcctgat agaccaggag ctactccacc accagcagct acaaggcctt 60
ggcagaatgg aataacagca aacaacattg gaggaggact tgtctgggag agcagccatt 120
ttaaagaaga gcacattaag tcacaaacag tcgcagctga tctactttgc agcatcgcca 180
tacatgccta actaaatatt gaaatcccgg gaaaaactca ctgtgcatca tgttccagaa 240
actagctttg caaacagttt tttcagatgt gtacattttg tgtatttgag gcatataata 300
tatatatatt cctccatggt ccccc 325

<210> 316
<211> 275
<212> DNA
<213> Homo sapiens

<400> 316
acgccatctc caaatacggg cacattgggg gttagtactt caacatatga atctgaagga 60
gagacacaat tcagtcctta acacagtgtt ttatggattg tatctgcac ttccatctta 120
tcaccaccca aatccagcac ctgaattggg gagtggtggc agtgagaggc caagagccag 180
aagagcctgc ttctgcttgc agaggatgca cagttgtaat agttcgtttt catgctgctg 240
ataaagacat acccaggact gggttaattta caatc 275

<210> 317
<211> 352
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> n = A,T,C or G

<400> 317
gttcgtgaat gactgtggtn tcanantgac tgccaatgnc gactcctgat accataaaaag 60
gaaagactcc tgtctgaagg atgtgccttt atcccagaca ctgacaaaaca ctttgccaa 120
gagagttcag aaacgactgc aaacccaac ccaagcaact ggactctgga aaacagctca 180
tgaaatctca gcactgcct tgtctggtga gcctcgtagg gcactcacct ctattacgga 240
ggcttgatgg cagcggcctt gtttgaactc tgtattactt atctattgct gcataagcga 300

attaccccaa agcttagccc gcttaaaaca acacgcattt attatattca ac

352

<210> 318
<211> 243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(243)
<223> n = A,T,C or G

<400> 318
tcacaacatg ggggtttggg ttgggttttg gatgggcaca cttntgcccc tgggacaatg 60
ggaatggtgg ntttaccag gcnttngggg anaanangtg ggnaattcna cccctngga 120
tgctnacaaa ccntggcaaa tcttancatt ttccctnat tgaaaccggn tgcccctnc 180
cttantaact gcccttggac ttacctcacc attttgtgtg gccttaaatn aagaatttgg 240
ggg 243

<210> 319
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(476)
<223> n = A,T,C or G

<400> 319
actcagagaa gaatggaggc agaggctgga gaggaggctg aggatgctgg acaaccctgt 60
tgagaaggaa aagccggcac acaccgcgga ctgagctctg cctgcctcac cgacttcaaa 120
gatagcaagc gaccactttt ctaggggaaa aaaactaaca ctcaagttgt gctgatttac 180
taaacaggac gctctctatt tgtgcttcca tttgctaggg gatttacatg tgaaacctcc 240
cccaagtcta atgggagtta ttatcctgct caatcccctc cgcacagagg acaggatgac 300
cgcaagtggg ataggacgct tgggctatct aataaaagaa ctcttggaat taacacttct 360
tcanggctca cagacccatg tagcctagta tatttccaca tttccttgct attttgaaat 420
ggttcaagtc ttgagacatt tgaagngtt tcttctaagc ttaccgaggg caatgg 476

<210> 320
<211> 66
<212> DNA
<213> Homo sapiens

<400> 320
aggaatcaaa agaaggagga agaatagaat gatttggagg aaaagaagga gaaagtagag 60
gagttg 66

<210> 321
<211> 226
<212> DNA
<213> Homo sapiens

<400> 321
ggtggcccgg cctccctggt ccattctctg agaggagcta taccatttt gcaccctgaa 60
cctccaaaact cagaagtctc tgaggagccc tgaataggag aaaatgtggc tgaaaatgaa 120
gtggaaaatc agtgtgataa ccaaatcaag atcacgcctc gctgggaccc tgtcacacta 180
aagcttccag agcatagtcg tttttaaaat ctgtaatagt acctgg 226

<210> 322
<211> 465
<212> DNA
<213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

```

```

<400> 322
gaagccaagt ggaagatcc ttgctggttt ctccctctga ggaagaagga aaatgccatg 60
actcccacta tggcctctct tggaaaccata ttttgaggta ccctacttcc ttcttgagtg 120
tcagcagagc aactgtggga ctggcatgag atttggtcat ttctaggaga gcgaatgcct 180
tttgccctctt tgatgagaaa actagacgag acattgttta gaaattcttg agctcagact 240
ttngcattat gacaacgtgc attcaaatct gccccagcca cttgcgagct gggacctaaa 300
gccgtgagct tctggttggt tatctataac aagcggatcc cagtacctac ctcataaggc 360
tgntgngagg gattaaaata aaatgcatct atcagccagc ttgcaggctc gcacttaaca 420
ggggctcang tgcaatacct tgataagttt tgatagtttg ggata 465

```

```

<210> 323
<211> 303
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(303)
<223> n = A,T,C or G

```

```

<400> 323
cnaacctgnt angntnctatc tnatncaant gtggcaaccn ntnccttgnc canngctgg 60
agctgacact ttctcaactt cacctggatg gacactgaag tccaggatgg gatgctgcta 120
cctgcagctg ccattctcct gccaatthaa ggatgaagcc aatgcccagg atggcagagc 180
tgagagctgg aaggaagcca ggtcctcgct gacattgttg acacactgca tcagccatct 240
ctcagcctcc cacctctaga tttcctgtga cttgggaaaa taaatttctg tatttgtaaa 300
gct

```

```

<210> 324
<211> 458
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(458)
<223> n = A,T,C or G

```

```

<400> 324
aatcaagaaa acaattcaat aagaatccat tttccttggt aacaggacac aattgaaaac 60
actggttatt taaccaaagc ttcattctgaa atggcatatt ttacgggata tgacgagact 120
gcttttgagga atttaagtgg accttataaa gttgataaag agccccttag aaagactggc 180
ctagtacctc atntacttgg ttcccttagg agcctaggan cctnaanatn ttngggggacc 240
tcaagaagag agaaattcac tcattttatg cacatntnac nggcatagtc tangggggaa 300
tentnggntg ggggttcccc ntttnaaagn gtttttaaaa ccaanttnng gggtnntttt 360
taaacatttc ncccnaagnn cacctttaa accctttttg aacncttttt ttttttttgt 420
ntttgcgcna aaatccgggn ccnggggaaa aactaaaa 458

```

```

<210> 325
<211> 212
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(212)
<223> n = A,T,C or G

```



```

<400> 325
gaggnactgc tcaaacaaga acacaaaaat ntntnangat cctacnacag nggggttggn 60
ncagtgcacg ctntgtatac ctatcagaca aaagaaaatg tcaagcaagt anaacagaga 120
cttagctgtg acagctaaaa natTTataaa gtcattgttc ccatacnaacc tatctggact 180
tatcaacagn atgentccag cagttattcc cc 212

```

```

<210> 326
<211> 483
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(483)
<223> n = A,T,C or G

```

```

<400> 326
gtgtaggctc tgcctttcca gggataagtg gccacatagt tcgccgtggt ccccgagctt 60
attccagtac atgttttata cttttggtat gtttggtgat cacgggtgat gtgattgctc 120
tcaacacaaat gtctacttct cctcgacggt caaggaggga aatagacaga gccagagagt 180
ggccagccat ggttcctcaa gacctgccaa gaagagtgcg ggccaccaga gtctttgcag 240
gtataattga ttaaagatct caagatgaag tcattcctaga tttaaatacat ccacatggag 300
ctgccttcaa aggcacagct gcaggcgagg gtacatttct aaatcccang actagtggcc 360
ttgttagaaa anaanaaccc ggggngaccc ccngagaaaag gagatgtgaa gatggaggca 420
gagactggag tgatacagct ccaagccaag gatcaccagc catttcaaga agctaggcaa 480
gaa 483

```

```

<210> 327
<211> 272
<212> DNA
<213> Homo sapiens

```

```

<400> 327
agatgcagtt ttgccatggt gccaaaactg gtctcgaact cctgagctca aagcaatttg 60
ccgccttgg cctcccaagc tggaaatgaca gacgtgagcc actgcacccc gccaacattg 120
gcattctctg ctgccttctc tggactgagg aacttcactc aacaactggg ctacagccc 180
ttttccaca gagattttgt ggaatagcct ttttgtctca tgcttgcctt tcatttattt 240
gcttggttga gataaattaa aagcagaaaa tg 272

```

```

<210> 328
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

```

```

<400> 328
ntatgacaac aaaaccacn tggggcccaa acctggaagc cgnncgctat ggaggaccct 60
ggaagcangc anagaaaggt ttggagtttt cantgcatg acaccagcgt gcctgcggaa 120
gnggntgtgt ntactnttgc ctcttnccc acccaattcc gtcccaggag cccaggagtg 180
gaggcccaag anacggatnc cacaggagcc agcaccact ccacccagg agctcagcaa 240
acatccacag agtgaacatt ccaagcaaca tagtccagga gccacgttcc agccatggg 300
cctctgcact gctgtcctct tcacatggcc tgcccttccc ccagaaaagag agaagaggcc 360
ctctctgggt gtcccatcaa aactccaccc ttctctcacc ctctcccag ctgtatccct 420
tctctgcagc cctaacatgc attccacttt 450

```

```

<210> 329
<211> 479
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

<400> 329
 ggtgtgggca cacacactct ctgaacagca gaacttctgt ctgagagtag aagctgaaga 60
 gcagaagaga cactatggga atcaggaaag aggaggtgat ctgggccagc agttgaagca 120
 cattgaaacg aagaagaagg ctgacttctc aggagctgcc tggatgctgg cctcctgggg 180
 aactggaact ccagtttgaa ctgaaattcc ctgtatactt gtcaggaaca tccactggac 240
 tgtgggttcc ttggtacaaa aactaagtat ccccatgcct gccacagtgc ctggagcaga 300
 acagacactc aaatatttaa taacgtatga ctgatttgtt attaccgcg gcataaatag 360
 aagacacaca ggggggngga ggataaattt ggggttaaaa anaaggctaa atctgntggg 420
 gntgcttcac atganaatga nagtctttcg gtttatggtg gctccccggc caaacacc 479

<210> 330
 <211> 171
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(171)
 <223> n = A,T,C or G

<400> 330
 gaattcatga cactgaagct acccaacttc taccatgcct ataacatgat caccctagga 60
 agtggcagag taacccgagg gaagaagcct ggatacctga atgactatat gaaacacagn 120
 tgccctaata cctcgcagca ctcactacgg aactctgtaa taaagtatat t 171

<210> 331
 <211> 251
 <212> DNA
 <213> Homo sapiens

<400> 331
 atgctatcta tacttatggt aagcatcttc agagacacca tggatgatct tcattctgaa 60
 tcccaggaag aattctggaa agcaatcacc tacctcttga tattttctcc gtcagatatt 120
 acctaaagat ctttttggga cctggagaaa aggggaaggta gaactgattg ataacttcta 180
 tttatataga attaaaagaa tatgaaaagt ttagataaag gagcataaat aaaaaccttc 240
 tactggcaaa c 251

<210> 332
 <211> 446
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(446)
 <223> n = A,T,C or G

<400> 332
 gttgtctgcc aacgctaact ggccagctct gacaggaggt gcgtggccca ggaggagcca 60
 tcaggccagt tctctgggat actgctgtgt ctccagctct gcagtttgct ctgctcact 120
 cagcggcaga cggagaggca gacacgagcc ccttgtgagc cctcctcctt accgtcatct 180
 cacaatgctc tgaaataagg aggcaaatgg ctgaggtccc ctgagttgaa gatgtgattg 240
 agttctatct accagaagca tatgcctcct ggaagcctgg ttctaacacc tctcacaaaa 300
 tccttcaagc acttttttct gttccaaggt ttgcttatgg gggaccnnaa ggaaagggct 360
 tnanancct aaagatttgc tgagtcatat gaggggccag caaacctttc ctgtaaaggg 420
 tcagataata aacattttta gctttg 446

<210> 333

<211> 498
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(498)
 <223> n = A,T,C or G

```
<400> 333
gtgttgatca tgaaacattt tcaacaaaa atagtagagc caaatttgag cattgccaac 60
ctccaccac ctcccttcat cacatggatt tgttccaaac aacttctggc ctttcaagca 120
aggaaacact ctttcaaaag atgaacactt gccatcacta acattgtgcc acaggctctt 180
aagacaattt caaatggaaa tgcaacgaag ttttgctaata ggtagcatca ctgaaataag 240
tgtagtgtct caaaagactc ctatgtgatg gtgaagaatt aagtgtgtat gtttaggcac 300
aagttttatt tttcaaagaa tatttcactc tgctatttgn cgaatgaaat ctttaaggaa 360
aaaaagngnc ttaagttttt ccaaattgca aaaaggaatt accatcttcc cactgactcc 420
atgaatgcca aagtcactga aaactaagct taatgactgt tgaatcaatt tccaaagatg 480
taaaattctg ctttaata 498
```

<210> 334
 <211> 345
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(345)
 <223> n = A,T,C or G

```
<400> 334
gcaaaataca tgggaaaaaac aaaacaaaa agtgaaccaa gaactcaagg gagaatcttt 60
tgagctcatt ttctgggtga atgcttccct cttacccgac caccagaaca gaggagcttc 120
caggaagtta gagaattgaa aaatagagaa aaagaatgag tcacaagagg atcttatcat 180
ctgactaagt gggagactgg ataaaagcct tgtaaaatca ttgcagctta tatacatgtg 240
tatggttatc aagtagcatt ctatttctca aattaagcat ataccgcant tattttgtga 300
gactataaan ttcttctaga aagaaataaa gaacattaaa attct 345
```

<210> 335
 <211> 297
 <212> DNA
 <213> Homo sapiens

```
<400> 335
aggacttgct cagaacaagg gaagaagatg actatgcagc tgctcggtaa cagcgtctag 60
tcacactctg agatactgag gtcagcaaga acagaggatg cacactatgt cccatcttgc 120
ctttctgccc agaaagtctc agttactgga aaagcttcag aaatatttac caaaaaatcc 180
atgtgaaatc ctgaaattct acttctcaga aaaacagtat tactcttgtc tagaaataac 240
attcaggcct caaagtgcta tactgtcatt acttctaaaa ataaactgag caaatcc 297
```

<210> 336
 <211> 175
 <212> DNA
 <213> Homo sapiens

```
<400> 336
tattgtttct aaagaaacta tgaagcaatt caaccagagg agaacaacta ctgtgggact 60
gcagatgatc ttagcctgga agctgcataa cctcctacc agatcaaatac attcagcatc 120
catcttaaat gagaaattta agtaactaaa aataataaat ataaataatt aaaa 175
```

<210> 337
 <211> 496
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(496)

<223> n = A,T,C or G

<400> 337

```
attcaagaga gtgccaaagg aaacaacagg acagaaggag acatgaggaa gagatgggac 60
agacagcact caaccctgag cagacgtgag gggcaaaaga aaaggcaaca ttaaggaccc 120
attcaagttt caagtctcag cgtcccagag gatggtgagg atacagcaaa aatggagagt 180
gcaaaaggag aaaggcagtt gaatgtgaag ataacggggg cttcggggcc tacctactaa 240
gtctggtggg ataaccctgt taaatgggaa gagggaggcc tttcttggtt catttttagg 300
ggaaaaaaat ggctgcctgg aaagttcata taccagcagc aaaaagaaaa gcnaaatggg 360
attaaaaaat nttaaaagcc cttcacnagg aggttaagtt ntggcggggtg tgcccatcag 420
agaccagcag agacaactgg ctctccggcc tgagttcgcc tacatcagaa ctagcacatc 480
tctctgtcta atttct 496
```

<210> 338

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(371)

<223> n = A,T,C or G

<400> 338

```
gtggtcaaatt gtgtgggagt aaaatgtgtg tttgaaatgc cttcccagga ctgagtatgg 60
ctcattttcc tccttgccat gagctgcatg tccccatgat tcggggcagc ccgcctaggt 120
gcctgttcct ggctatcaga agagcacagt gaagtcctcc tgcccctgag aagatcgaag 180
actctgctgt ggtcaagggt ccttctccag ccatatgtgt tgtctaggat tagacttttc 240
aaacagtggc caggccttct gaggtcacat gtgacagtaa aagcaagctg tgcccaaaaa 300
aaaaaaggnc ngnggggncn attnannttg gacttaancn gggngnactt nntnaaaagg 360
gggggactcc c 371
```

<210> 339

<211> 479

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(479)

<223> n = A,T,C or G

<400> 339

```
actgaggatc ttctgaattg gcggcctcta catatgcttc tgctaaggag catgtattca 60
ctcaacaagc attttaaacc cccagcaagg cacaagctac aagggttaca agagacacaa 120
gaagagatga ggtggctcct gcttcccaaa gagtgtggtc cagggaaagg aataggcctg 180
gacttctcat aacctggaac atcttttctc gaggccaaag aggtgatccc aagtgagagg 240
ccaaatccaa ggaccctgcc tgcccgatgg gtgctcctct gctgagcagc caaaggcagt 300
gccacgaggc ttcattctacc tccaatagtc acggagtctc tccatgtgcc nnttgggttt 360
nntgcnttgt tttcccagga aagccttnct tgacctttca gatcaagtca catccacgta 420
ccatgaacat tcacaccctg tacctctctt ttcacagcac ttatcccaag agaaactcc 479
```

<210> 340

<211> 481

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(481)
 <223> n = A,T,C or G

<400> 340
 cagagtgtgg gaccaaggac aaattacaga agcacagcag agaagggttg cgggttcccc 60
 gtttgccctat gaagttatgt agtgagcaaa taagaggaca ctggagcaca gcgctgctta 120
 gagccgaggc tcagtaaact tttgttctact gatgaatgaa tgtattaagc tgaccagctc 180
 aatttgattc ataaagaaat agccttaggg cttttctgag gaagaacaca acatactttc 240
 aatccaactt tttaaaaaat aaaacatgat tacacactcc taaataaata ttttcagaaa 300
 gtttgccctat atgtcaaaga tttctaggat ttggaagcca gtatgttcgc aagttgtgag 360
 gacatctgng ttattctcaa cacttccttg gcaaaacnan ngngtcctta cctgaaagcc 420
 tgaaacaata taaaatgcaa agctgacatc cccctgcctc ggcaactgca ctttcaccca 480
 g 481

<210> 341
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 341
 aaggaaagat ggaaaagagg agttatcatt tctttctcaa gatcctggcc ccatgagcct 60
 cagtgtagcc ctagtctctg ggatcagcac caacaggcag ggaggagagg ctctggcgcc 120
 ctgcagacag caccagggtc ttggcatcag gagctggata cagagtccct gataatccca 180
 gccacagaat atttcaaact caccgacatg tcctctaaat atcagatatg aaaaggcttc 240
 cactcttgca cctgtcttgc tattatttta cagatgtgtt ctaaaagcta taaagacgga 300
 aatcac 306

<210> 342
 <211> 471
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(471)
 <223> n = A,T,C or G

<400> 342
 ataatacaga catgtacccc accacacaca atgtaaactg caaaagcaaa aaaccgagat 60
 gcctcgtcca cagttcaacc ctctgcgaac agagccatcc tggataaaaag ggctgctgtc 120
 atgattgcc aacttgagt ggctgaaac aacagagtca gaaatcaagg catctgcagg 180
 gccatgctgt ctccgaaggc tcggaatatg gacccctcct tgccctctcc tagactctgg 240
 gcaggctgca gatccagaaa gccgaagctg cagcaagtgc gaaggcgcg cgcaggagga 300
 gttccttct caggagactg cagtctttgc tcttacggnc tttgaaaaan atggnatnaa 360
 nccccccacn ctatggaggg taaccgcgtg cattcaaagt ctacagattt aactattaat 420
 catatctaaa aaacagcctc acagaaacac cagactggtg tttgaacaaa a 471

<210> 343
 <211> 463
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(463)
 <223> n = A,T,C or G

<400> 343
 catgtctttg cagctcttct caccaagaat tggagtctat tttctcaact cattaaatct 60
 gagctggctg tgtgacttgc tttggccaaa aagacttttag caaataagat ataagcaca 120
 gcagaggttt gaaaagtgc gtctcgtgg ggcttactgt attactgctc ttgaaatgct 180
 gagatgacca tgtgaatgaa tccaaggaag cctcctggaa gatgagaatg ctgcatagaa 240

```

gaaaacagag gtctccagct gacagcctgc caaacactag aaatgtgaat gaggccattc 300
tggatcatct tgtcaccagc tgacctccca gctgactatc agtgcattgag caaacccaga 360
aaagatgagc tgagccagtc cagtgtaaaa aaaatggccc agccanccca cagaataatg 420
agctgaataa aanggttggt ttaagccaaa aaaaaaaagg gcc 463

```

```

<210> 344
<211> 149
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(149)
<223> n = A,T,C or G

```

```

<400> 344
gagtgaagc agcctgaggg cctcatccaa tgcagatgtc tgtgccgtgc gtcttgtcca 60
gcctgcagaa ccatgagcca aataaacctc ttttactac ccaaaaaaaaa aaaggncagn 120
ngggccaatt cagnttgagc ttaaccagg 149

```

```

<210> 345
<211> 407
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(407)
<223> n = A,T,C or G

```

```

<400> 345
tatatgaaga aatctggcct cccacagaga cggatttgga aacaagagga ctacacagac 60
cctctgacag tctcttgggg gacacaatgg cttgccaaagg gatccttgat acacacttcg 120
agaaccactt gcatagacca tcaccatcat cctggaagggt tttttcaaaa aagaccacta 180
ctctnacttt cttnaanaat aacattgcct tttcttgatc ttatgggatg gggaatcatn 240
antgacntgc tnnnttgaaa taaaggacnt ttgaaaatan aaacntggac ctatgaanat 300
atnaatcgga tgaagattct gaagngccct gatgntacta tttatgggnt gnttaaatat 360
tccaacttaa tgggaaggcc ctnggggggg gatttggcca cccttgg 407

```

```

<210> 346
<211> 363
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(363)
<223> n = A,T,C or G

```

```

<400> 346
gatgctgtct tctgatgaaa acagaatcan gaatgagtga aacatggaag tttgaaaaga 60
gtgaacatca acactggaaa ctcaagagtg tgtaaacag agaaaattaa tagaaaccag 120
gaaacactta aggtntatct gaagtgtgtg gtcttgaaat gatgtattaa ttaactcttg 180
aatcaattta ctgtatttgg tgaaccagc tttcagtgga gttcttctta attttcgcct 240
actgttctac ttgttccaaa tgtgtgtatc atgtattttt tcttttagat ttttctacct 300
aattagcttt gattctgtca tcaggattga ttttggctaa aataaaacac atatatgtct 360
ttt 363

```

```

<210> 347
<211> 383
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(383)
 <223> n = A,T,C or G

<400> 347
 gacttgctgt gctcagatcc tccattcaag agagctacag acacgggggt gctgggtgagc 60
 aggagccgag accatctggg gtgggaccga ccaagagttt gaggtgtcca ggggggtgacn 120
 gtgaagatga cctatcgagc aggggccctt ctctattcacg ctctgaagtc tgcacagggg 180
 caggggctac cgtgctccat tcagtttggc ctctgttgta tcagccagag gccagcagaa 240
 ctctatggtc actccccgt gtcacggaca atttgccacc tccaccggca gccaggggt 300
 ctgcctgaat attctcgct gatcgtagga ttgtggggag ggatattctc attgatctct 360
 aaagaaaata ttggtcgctt ttt 383

<210> 348
 <211> 479
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(479)
 <223> n = A,T,C or G

<400> 348
 gatgatcatt cttgaaacca gatcccatat caagagaaag tcaagtaatc atgaagagag 60
 gccacatgaa ggtgtttctgg ccagcagtg cagctgaatc tcagttgcaa gccagcatga 120
 ccaccagaca gggaagtga ccaaccttca acggaggcaa gcccagcct tcaaaccacc 180
 ccagccgatg catggggcaa ggacgagcca ccactggcaa atgtgcccaa actgcagggt 240
 caggaggaaa ataaatgatg gtgggtgtttc cagtcattaa gttttatggt ggtttttaag 300
 gcaaccaaag acaactaaga acatttactc tggccaataa aaaaatgaat gaaagtgatg 360
 tgtcacttcc atgtggaaaag ngttcattcg ccagtagtta agacattgga agcaagcttt 420
 tccttcttgg tgcaccaatt angaaaagaa gtgggtgttg gggatgtgcc ctccttcat 479

<210> 349
 <211> 614
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(614)
 <223> n = A,T,C or G

<400> 349
 cagaaactga gcccaggctc taccgacctt taaactacaa cagagctttt naggagaaat 60
 gcggaagaga cggcntttcc accccgggac cttaccagaa aaccgcgaca ccccagnac 120
 aattggcttc cttcattcaa gccnagaaaa agggactccn acttttcacc accaggggan 180
 gcccccttt cttggtggct tgggccaant tgcaaaaagg cctngtttca ttgggcattn 240
 ccacaagggt ngggggggaa nttgggnccc ccaacccttc ctttcttang cacctttnan 300
 aagnggttnc cttnttggtg ggcaagnaac aacccaattg gcnttaaggg ttttcttctt 360
 ttttnccaaa cttnccttgt ttngggtctt ggggcnaaag gtggnaccgg aatcaattct 420
 tttccacttt gccattttaa ttnaagttaa gttcaacccc ngaaacaatt tccttaatac 480
 cttggggccc cccccaatt tntttttttt aaaaanaacc aaagtttggg cctntcccc 540
 ccacttgggg aaatttattt tctaaaatat tnggggaacnt tagaaattaa aaanttggaa 600
 gaaacttttg cccc 614

<210> 350
 <211> 380
 <212> DNA
 <213> Homo sapiens

<400> 350

```

ataacatgtt tcaaagtggc aaatttcccc taagaattgg aaaaatggat aatacggatt 60
gggggttgag agccccggat tctgattaaa catggaatct gagaactggc agaaagcctg 120
gaactgatgg aagagagggc tctagggcct ccatactaaa tgggtgaacta ggaactataa 180
aagagataat gtggtgaaga gcttcagcca tcaagttatt ctaaaaatga agtagggcat 240
tttatatgtg gagagaaggg cactgattat tatctgacta ttgctaatat gtcccataga 300
acttatttgg aataattttt tactattaat ttgaacaaca gcagtggagac tctttatatg 360
tataataaag ctaattttac                                     380

```

```

<210> 351
<211> 373
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (373)
<223> n = A,T,C or G

```

```

<400> 351
gtcagatttc ctgcaaggag gatctacagg ggcccagcac taccttgaag gccgtgaaca 60
gccacagagg gaaagccgcc ttgagtatgg agcaagactt cctcagacag gtctcatttg 120
tgtcttcctt tccagcagga ggaagacagc acctgcccag agtagtttta gagggcactg 180
cactaaagaa ggagaactgc aggggaagat cgtgccctaa tggatgaaac atttcccaaa 240
tggcctggct atctggagag atgaggactt gctcattagt agaagtttcc aggcaaagcc 300
tggataagca tttgctgcag ggggtggggga aggtgaaggt tganangana nctctaagat 360
ttctttgcct tgg                                     373

```

```

<210> 352
<211> 405
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (405)
<223> n = A,T,C or G

```

```

<400> 352
gctataaaga cgccttgaat cctcctccac gatacccgcc ccactatttg ttggcacagc 60
tacgatgctg cttatggatt gttttcactc ctaaagacag tggcgcaagg caaggtgacc 120
tggagcagag ccattcctgag tgcccaccca gcgtcccagg agcctgttgg aatttggaa 180
gacatttgcc tctgtttata aagactggct ttttgctgaa agccagggtc tcaaaaattt 240
tgttttatta atagaagcta aacccccaaac atttggtctt ttttcattcc atttcccctt 300
tcacaatctt aactattccc aagacaatgg atacctctgc ctgtatcaag ggcnagattgt 360
caataanaaa gtcaacagga aataaacntt ntttttttca aaatt                                     405

```

```

<210> 353
<211> 464
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1) ... (464)
<223> n = A,T,C or G

```

```

<400> 353
ctgatttaag ttanttcng gggncnnaaa cctngnaaag gtttttnatt agggcagcaa 60
aggggaaccgg ggaaccactg angaggagca gcagaaaact tcacagcttc tttgggtggg 120
cagcagactt cagatttact ggaagccaag aaaggggaag acagcagcag gagggcttga 180
ccagctagct aaataagtta agccatggaa agaagcagaa gaaggaagct caagaaatct 240
cagcaacaaa cactcatgga cttttttcta aaaatggaaa tttaaaactt tctcgaccat 300
gacccacaag aaatacattt tacacgttgc atccaggaca tagcaatatg cctgtgagcc 360

```



```

actttgtggg tgaagggttt ncatggtgag cttgtttaag ggaacatggc ccccnnggggt 420
nctccttttg gagattcccc ctggatttac tggatcaaag tctt 464

```

```

<210> 354
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

```

```

<400> 354
ggaaatgcc aagactatg gccgtgcaac atttccgcag tgctcctcgc tacaaagaca 60
ttcccctaag gctgggtgggc aactcaacac tcagctcagt acgtgggcag ctgcctctcc 120
ataggagcct tatgccttgg tgaggagatc tctgaagaaa ttgctgatga aagtccaaca 180
ggctcttcca gtttgtctgg tcggtcacat ttgctgaaac ctggaggaat tgttagtggg 240
agctcaacag gctgactca gtctgactgt ccattcttct ggaagctgca gagaaaagaa 300
acctggaaac cctatatgct gacaaaaagg gacacaattg gatatgatgg ttattttacc 360
aaggttttga aatgtcgtgc tttcaaatat aaacagactg ctttaangga tcnaaagtgg 420
ccttttaaag ccaataaaag cctgc 446

```

```

<210> 355
<211> 446
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(446)
<223> n = A,T,C or G

```

```

<400> 355
cagcccagac gtgggtcaaca agaacactga gcagaaaaac aaccttgagg atgaaaacag 60
ggatgttctc agttgaagcc cacactagaa gagctattta aacagcacca aagtgcctgg 120
attacaggtg tgaaccgctg tgcctgaccc agtggtttct aaatatctac aaaaacagtt 180
tggagttagt cctaggcaat gctttgctgg aaatgggatg tgtgatggac cattctaagg 240
gagctgaact ggctgctgtg aagacatcag gaaccaagt gagactgtgg tacgtaagtc 300
aggaagaagg cacttgctg gttttgaaaa catgtcctgg ggatggntag tgctncagt 360
tcacaaaaaa agcaagctgc cttgttaggg nanggannc accanttgaa aacacctcca 420
ntactgccan tanaaacagt tgattt 446

```

```

<210> 356
<211> 450
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(450)
<223> n = A,T,C or G

```

```

<400> 356
aggctgagaa gtccaagatc gagggatctg gcagcagatg agggcctttt tgttgacca 60
gcccggtggc gaggggtggaa gggcaagagg acaagaaaga ataataaatc aaacttacag 120
cctcaagctc ttttataacc agcatcaatc cattcatgag gatggaacac tcatgacct 180
aacacctccc tttaggctcc acctccaac atttgtaaa ttggggatta agtttctaac 240
acatgatttt gggcgggata cattcagatc agacaaaaag ggcaaggga ttttgtatac 300
acagagaaga agttgatgtg aagatggagc agagagccgt ttgaagatgc tagccttgcg 360
actggagtca tatggctaca atccaatgga tgctggtaac cnccaaaana tggangngc 420
ccggacnaaa attcncnct ggaacctcca 450

```

<210> 357
 <211> 460
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(460)
 <223> n = A,T,C or G

```
<400> 357
gtccttccag aagagcactc cccatcaacc cgcgggcagc tgaattccca cctcagactc 60
tgctccaagg gcgcctgtgc tacggaggcg acgctgagga tggcttatca ggttgggtca 120
ctcaccacac cagcaggacc tgaccttaaa ttctcgtgc atcctaagtg tgaccacagag 180
accgctgcg tcagaagcac ctagaatgct gtggaagcac cttcaatgca gattcctggg 240
cccaaccctg gttccactga atcggggtca gctgggtggc ccaggaattg gcattttcaa 300
cagcttccaa ttgtacacca gaatactcaa gcttgtgact cccctgctca ctgntttctt 360
catcctttct cacttcctgc tgagtacata tgnattttac tactttttaa aganactttt 420
accaataaag gccggcnttg aaggggaaaa aaaaaagcca 460
```

<210> 358
 <211> 419
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(419)
 <223> n = A,T,C or G

```
<400> 358
gaccgcaatg ctccctacgat gatcctgtaa cagaggtatc ggacaccaac cntggggannc 60
ctccttcaaa ttatggggaca tcaccaacaa tcaatcacta agagaagaaa taatttagaa 120
gaagaattca tttttgggta ctcaaatata acccaattta aaggagactg ttattttctt 180
tctctagtaa gctacagaca ggatctgctc cctttaataa gatgcttggg taataacatt 240
tatttacaga gtaaaatttt ctctttattt cctccacac taaaatattt acataaactc 300
aaaccactta tggtgcctat tccaaccagt ttcttgtcag agtgagtagg aaaattcttc 360
attaaatgct attgcctttg gggnaaacag aacataaatt aaaaaccccg ctttattta 419
```

<210> 359
 <211> 455
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(455)
 <223> n = A,T,C or G

```
<400> 359
gccaaagagat gcaaaggatt aatcatgaac ccagttgccc agaggtggaa aaaaaaaatc 60
tgttgtggta gactgaagaa gcnagaagtt atatgaacac caagaggccg gcaacatgag 120
tgtggcctga gtctgacgcc ttcgcccacc ctcttccaga tcacctgatc cgaaagaagt 180
tacgaaaata gctcanaatc tgggcctgcc tggaagagac ataaagattc atttacatgg 240
gaaggtgact gctctgaata tccacagacg acgaatctat gctaattggtt cagtctccca 300
caaactctggg atttatataa ctggctccta cccttgttcc ttgccagcag aaatgcttga 360
attatcttaa ttccagaatg naaattattc ccattctgan ggcntcattt ttaagctggc 420
aaaggncatt tttttnacag gcctaaaaaa aaatt 455
```

<210> 360
 <211> 465
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = A,T,C or G

```

```

<400> 360
atgatgtcag aagtggggtg caaagtanag gcttctgaca acccccggga gtactgagtg 60
aacaagcaag gtatctgcag aaccacttg tgtccaccga tctctcagag tgccctggaga 120
tcatggacaa cagaatgcag tgtgagggat gtcaagtcac ctgggaacaa cactttctta 180
agaattcatc tcaatttctg cgtttttttg aaaggtcctt aattgtttgc tgcctctgca 240
agctagacat ctctttcagc aaatggagac ccagatggtg aggcaagaga aggaatgacc 300
aaattaatga aaatgttctt tcagcttggt attgagcttg ntattctcct gaatgcttgc 360
tctgcgactg ntatgctaac tgaccctgtg ggtaaaaanga gaaaggaata tctcnttttg 420
ttaatttaaa aaatantaat aattgacaaa aaaaaaaggc ccccg 465

```

```

<210> 361
<211> 332
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(332)
<223> n = A,T,C or G

```

```

<400> 361
gctgtaggat gacgcatgat gcaagtctga agttgtatgt ggccatcttt gccaccacat 60
tcagaaaagct tacctgagaa tgaagtcaac actggagaga aagagaaaga aagagggaga 120
acatatcaga atctctccac aatggcaaca aagatggtca cttagcaagtc caagcctcca 180
ttctctttaa aacttgcaat ccttgaggac aaagaaaaac gatctttttt tccaatatct 240
atgttacttc taaaagaagg nattaaggaa agcctgnatg aaatttcatt catnantcaa 300
gaccatactg gccttgaata aaatttataa gc 332

```

```

<210> 362
<211> 293
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(293)
<223> n = A,T,C or G

```

```

<400> 362
ggagatcggt tggaaagaca gtggactgat ccaagagccc agtcttgatc agcccagact 60
gaggggacct taagagatgg gaagactgac atttacaact tccccaaactg gccgtgatga 120
tcttaagtac agccactgag gaagccaact taagaatctc ttcctgacct tgctcagaat 180
tctatcatcc ttcttctgct cccaaataaa attcccactt ccacaaaaaa aaaaggccan 240
cgnggccaat tcagcttgga cttaaccagg ntgaacttgt tcaaaagggg ggg 293

```

```

<210> 363
<211> 466
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

```

```

<400> 363
ttgtgcgtca ctgcaagact gcatggtaat gaagccaagg cactgtgggc caaaactctg 60
ctgcctgtga gaagagaagg gacagcggct tggagagaca gaacggcaaa accgctgctg 120

```

```

ctgctgcttc tgccttctgct gctgctgctg ctgctgctgc ntttgcagct gattgagaca 180
ctatgtttgag tctacaggat tctgtgtttt ttgaaattag cataaagtc ttgttaaagt 240
cctggagcag cagctgaagc caagtaggct gcccgaggcag tcagaagaac agagcagggtg 300
aagctgcaca gcatgcagtg gtgtgtcttc ttttggggcc aagcctgatg caacttacta 360
tttgccaacc cccgggtcctc ttccttctga gtaaatggcn ccactatcct atgagtgatt 420
caagtaaaaa tgctcttcag cgccagtcag caaagtaaat aaatca 466

```

<210> 364

<211> 283

<212> DNA

<213> Homo sapiens

<400> 364

```

tcacgaacaa tctggatttc atgtcacaag aggaaacaga gtcatcactt caagtactgc 60
accaatcaag tctgttctgg taataatgtg aggcattgct caagacctcg atacatgaaa 120
gcaattactg cagatgcctg gctgttggca ctgttcagct ttaatgtagc agtacagaaa 180
gttatgcctt ccacctgtga tgactgatcc tagaacctgc agacaatgag tctaagctga 240
atacaaacaa taattatcca agtaaagagc ccttgttcaa ttc 283

```

<210> 365

<211> 407

<212> DNA

<213> Homo sapiens

<400> 365

```

aaatgaagat ggcatatgga aaggcgattc ttatactcag aaggaaaagt tcccatggaa 60
gccatggatt cattcatgac aaagtgggtg gcctgtttgt ttgcttgaga ttggcaaaaa 120
tccaaaatgt ctgtgcacac tgctgggtgag gctatggtaa aacaattaca tatttctggt 180
tggtgtgtcc ttgtgaagtg aaatttggca gtaagtaaca aaattactca tgcatttccc 240
acggatcagc atctccactt gacataaaaat aaatgctaga gatacacatc tacagggtatg 300
aactacaagt tctgtagtat acaaggatac aggttaattta ttctgttgtc tatgatggca 360
taaacagctt aaagtgccta ttaataaggg gcctgggttt gttaaag 407

```

<210> 366

<211> 466

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = A,T,C or G

<400> 366

```

agcatgctgg acagcctgga gctggagccc acctacaacc ccttgcatgt tcaaagccac 60
ctgtactcac acctgagcag catctatgcc aagcctcagg ggcgggtcca cccacactgg 120
gagagccgag ctccgagaaa gcatccctgc aagactgggc agttgcagac caaccgagct 180
cgagctactg tggccccctt gcctatgact cctgtcccag gcagagcctc caagatgcc 240
gcagccagca aatcttcttc agatgccttc ttctgcctt cagagtggga gaaggatccc 300
tcaaggccct aagtcaccag caccagagcc cagctgcccc gcttaaccat attcatgctc 360
aggttcacat aatgggctat ttgnggtcaa gacttgcttt tttttcccn ggganccttt 420
tntgngggag ggnttnattg ggaaaaaaaa nagcctttcc ttgtcc 466

```

<210> 367

<211> 475

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(475)

<223> n = A,T,C or G

```

<400> 367
ccattcccaa atgcgttacg taggtggaag ctgggtgagt gtcaggaaac taaactctgc 60
aaaataagat gacaccctct tggaagattc ggaaaagtgt atcagacttc aagagccagc 120
tcagctacta ctccaagcta acctttcttg agacctcccc ttacctgct ttcactctgtg 180
ctgcccgttg acttaactga atcacctagt ggactgaatc tggccaaact ccagggccac 240
ctatcatgag cagccttggt tgctggcaat ttgcagagtt gcaaggggta aaggactggc 300
tttgactatt cagtctttca gttcatcaca tcttgccctg atgactgcag tggccactaa 360
gctggtcaca gagtgcgtt tcttaaagtc aagtgtnaag gatngnnaaa ccctcaaggg 420
gctttnantt tttccaaggg ccctgtncct tggaggggca taccattgaa gggtg 475

```

```

<210> 368
<211> 466
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(466)
<223> n = A,T,C or G

```

```

<400> 368
ggctgggacg atgaaatgtg atgggctggg aaactcaagc cngccccag gtgggaatca 60
ataaagggga ncgggtgggc tttggcttat tggnttggcc caagcctggg tcttcaaaac 120
ctgggccctg gaaatcaaat ggctttccca ccctcaagct tggcccagaa gggaaacccg 180
ggggaattac cagggccctt gaanccact ggcaggccca gccaggtnt tgggttaattt 240
tttaaatggt aaaaattctt taantaaaaa caaacctcaa ggaagctct ctttgtcncn 300
ttttaaaan cccattttta aactttcttg cttaaattcg ggaagnngta atatttcaag 360
nggcaaactt ttggaattct tgtggcctcn cttggggaat gccaattccc ttcaaagcct 420
tgggcnccca aaaataaaag gtcttccgc ttgattattt aaaacc 466

```

```

<210> 369
<211> 475
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(475)
<223> n = A,T,C or G

```

```

<400> 369
aagccaaaga ttttgcagaa tcaaggatgg atggagtatc aaaataagga acggaaaaaa 60
ctgaagatat actaaggatt aaggcccagg ttcacttagt gtccccagg ggcaggcatt 120
gtgctgtgac tgtgatgtga aaaaagaggc caggacaact gggcttcatt cagtcagact 180
ggagtgcagt ggtgtgatca cagctcatgc agccttgacc ttccagactc aaacaatcct 240
ttcatgtagc tgggaccaca ggtgcatgcc accatgatca gtttattttt aaattttttg 300
tagtgagcca ttgagtcag cataatcctt ctaatttagt tccttatctg aaaagcgagg 360
acattgtgac aatgatctca gaacactgtt gngaaaanta aantctnaan ataaagggtn 420
ggggcccaaa aggccttaat tggaggttgg cttaanctat aaaaaaaaaa gggtg 475

```

```

<210> 370
<211> 387
<212> DNA
<213> Homo sapiens

```

```

<400> 370
ccctgaagga ggtgctccag cggcctgtct cgtcctgtcg gaggccttct gaaggcctgt 60
gttctcacct gcccttagtg gaaaccttct attcatctga tctattttct tgtgggtgtc 120
agggccaca tgtctccatc tccctttcca gtcccaagat atctgttatg ggctgcattg 180
tatctccaca aaattcatat gttgaagctg atatgatttg gacctgtgtt cctgccccaa 240
tcccatgtca aacgccatgt gatgtgtgct ttccctttgc cttctgcatg attgaaagt 300
tccagggcc tccccagaac caagaagatg ccgcatgctt cctgacagtc ttcaaaacga 360
tgtgtcaatt aaatctcttc tctttac 387

```

<210> 371
 <211> 462
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(462)
 <223> n = A,T,C or G

```
<400> 371
gctggagtgc cgngggcacga tcttaactta ntngnacnt tngcntcng ggttnaacca 60
nttttcctgt ctcagcttcc ccagtagctg gggattacag cgccctctgg taggcattgc 120
agagagaaga atgcaaatta aataagaaaa gccctctgcc cttcaggagc ttttggtgaa 180
gatctctttt ttaaaaagct gcaagactgc tgcccgaagt gggacacaca acctaaataa 240
gggcgagaac cggcaaggac ggcccagcca cgtggaaccg cctcgcaact ttggcgagca 300
acttgagatc ttctagagac ccaggagtat gttgcttcta cctcagactg gggagagggg 360
agcttcccc aaccattggn gggagatgaa natntcaacc anccgaattc ctgttcacga 420
ccaacctgtt gtgagctctt ctgggggatc aacaatggct ga 462
```

<210> 372
 <211> 263
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(263)
 <223> n = A,T,C or G

```
<400> 372
ttttctntat gaaaactact nntcacantc nnantccttt nangttaaaa antnaaagg 60
naggccagnc ccgggggttc acccntgtan tcccagcact ttggaaggcc aaagcagggtg 120
gatcactgga ggctactttt tgttcettca atgcctattc attcgtctcc tctactcccc 180
gcttccccct cttcataca ccaactcaga gttcgaggca cctgcccatt tccttccaaa 240
taaaactgta aagaggttac aat 263
```

<210> 373
 <211> 230
 <212> DNA
 <213> Homo sapiens

```
<400> 373
gaagtcaagt tgattacttg gcatcagccc ttcatcacag atactactga aataaaaaaac 60
caagggaaatg tgaaaaaaac ggaaggacac tgaagccgt ggggaaataa tgaagtataa 120
gtgcttcaga gagcagcaag aaatggaata atattttctt tgtgaggacc tcagtaataa 180
caacccatga gtgatgggac ttattgcaaa tggcaagagt gctgttgag 230
```

<210> 374
 <211> 338
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(338)
 <223> n = A,T,C or G

```
<400> 374
ncatngtnng ggagttgntg naaccactgn ctgactcttc atancaccnc gcttttncct 60
tggtectcna cactgggtgg ggagccctac nttccatgaa gncttggcaa acnggggtgga 120
tcggnnctct cntatcacag ccatacaatg actcttcagg aggaaatacc agcctagacc 180
tgctcagggc ttaccaaactn gtgacnatag gtgaggtgna gccagactag actnacacca 240
```

```

nttcggnatg atctgacgga anggccggca gaccctatat cctcagatgt gtecccatcc 300
acctggcaca tgtctggaac ttencattac agagggggg 338

```

```

<210> 375
<211> 412
<212> DNA
<213> Homo sapiens

```

```

<400> 375
caacctcgaa aatgtccaac tgcaaagacc catgtctaca aattgctgtc agccagagga 60
atggctgtaa cttccttggg gccgaggact cctgtctcag ttctactta cagtatctga 120
gtcacttaac taaatgcaat cggcccagct gcaggcacca ctgctcgggc cactataaga 180
accagccctt gagcttccgg acaggaacaa gcatctgcat ttccagactg tagcagctca 240
tcatgccagg ctccacaggg aagaatcaag cagatggaag ctacagagga aacaaacagg 300
gttccttgaa atcagcagct ggggagaatt tatcttataa ggggtggaatt cttgattctt 360
tcattacatg tcctcttgca gcagcagcaa aagtaataaa aaataagagc cc 412

```

```

<210> 376
<211> 416
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(416)
<223> n = A,T,C or G

```

```

<400> 376
ctcagggccc taggggagtc acaaaagatg aggacacgtg aagactacag ctgcaggcct 60
agaagactct ctcaagaaca actgtcttgg attccacag ctttcccctt tctgtgggtca 120
ccactcagga ctccctaccc tgcccacaaa gcctgcagat tctgagatga cctggaagga 180
acggaacagg aaggcgtgag ctttggcacc agtttaacgt agaactgtac gggccaaaca 240
cagggccttt gattatagaa aaaaataggc ccattgtctt ggtgggtgga accaaagcat 300
agcagcatct aagaaaccag ttctcttggg tccagtgatg agggcttagc ctaaaaatat 360
tanggtgggg agggaggagg ggtgaaanng naaacatact ttaataaaat agatta 416

```

```

<210> 377
<211> 253
<212> DNA
<213> Homo sapiens

```

```

<400> 377
tcaacagtca taactttttg aggacacatg tttattgctg ctgctggggg cagctgctct 60
tgtacccact ttcaaagggg ctgtggaaga gacaaagctc atctggctgc tggggcagtg 120
gcatctcat gcaagctggg ctactggtgg ctgcccctgt gacctgcttc tgaatggcca 180
ggcaggaaaa gtctcccat gtgttgcat taaagaaaag aaaaagatga attaaagtaa 240
aagctctgca aac 253

```

```

<210> 378
<211> 303
<212> DNA
<213> Homo sapiens

```

```

<400> 378
gctgaaatga accaacaatca gcagaggccg cggcagagtg agagagctgc ccatgctggg 60
agaagccctg gtctttgtct ccacaaatgc tgaaactgac agtggttctc ccagagtcca 120
agtctccatt agccaagcca agagcagagg aaatgttctc cactggagga aagaagaact 180
gtcgacacca gaaaatttcc tgctggaatt ctgccaaaga atagctggcc gtcctagggg 240
gggccatcat tacggaactt tgctgtttgt aaatttaata aacgactcac atctgcttat 300
aat 303

```

```

<210> 379
<211> 382

```

<212> DNA
<213> Homo sapiens

<400> 379
gtgtggagca gagaaaaggc tatacccact gatgaacagg gatccacacc tggggaagaa 60
gcaagtatga ctttctctcc tgtggcttta cacaacctcc ttgaaattcc aagagcaacc 120
ctcccagcta aagtcttctc agatgtgaca cgatctgcac aagcagaggc ggcacagggc 180
ttggcttcca gttgggaaat gaagctccaa gggcagccct actatggcgg gctgtgtgac 240
ctgggccaag ccccttgaca tctccagact cggcttccac atctgccacc accaggacac 300
tggattgaat gttgggtacg ttgtaaggca agggagacac agaagtccta aaggcaataa 360
agcttttccc cactgcccct cc 382

<210> 380
<211> 364
<212> DNA
<213> Homo sapiens

<400> 380
agactgggtc tcactacatt ggccaggccg gatttgaatt cctgggctca gcctcccgag 60
tagctgggac tacaagcatg taccaccatg cccagttttc tgcagcagtt ttataaacc 120
aaattttcca aattagaaag actgaccaa gaagcacttt tatagcagga ataacttacg 180
tatggagaat ctcaacttgg accagtcaag accaactcca gcgatgaagc cagaatgtaa 240
tatactctca aaggctaaag aagtccattt tcccagatgt aaattataat taaaaaatag 300
tgagccaaac tctaatatcc caatgtgata atctttcaaa taaaaatatg ggctgtagtt 360
cagg 364

<210> 381
<211> 318
<212> DNA
<213> Homo sapiens

<400> 381
aaatgttaag ggagttaatc ttctacaagt ccagtcattg gctttcacia agggccaaga 60
aaggagtcct aaagctcgcc atgactcaac aggaagctct ttgtgtcttc ctttctacac 120
catgtctgac aaagaagctg tcttaagtcc atgggcctct gtctcttgcg tgaattctga 180
agtcagtga gcaacaatga tgtcattgct tctgaagacc actgttggct gagataatga 240
agatctcttc acccaaaaaca ttgccatttc tgcagcatac atttcctacc ctttcaaata 300
caaaagtatt ctaccgat 318

<210> 382
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 382
ccagcagaca tcaaggactt ctgaggagcc tggtagcttg cataggcact atggaccctg 60
ttttgcttaa cccacccaac agccaatttt agcagacatc ctagttttgc aggtgagaag 120
agctgaggta cgaagaagtt ttgttaattt ttccagttca cgtaacaagt aaatgggaaa 180
ccaggatgaa aatcaaggtt tatctgtcgt cagactgtta ctcataatca ccattcggag 240
agttcanatg tgggacaaga ttctaactcc nnccttctcc caaatgggta atntgccagg 300
tgccctanag ctacatattg tcttattttg gtgatnnact gannctgnct gaatnttana 360
agccttgat cttntgnant nncaaanaca naagagnccg nggggnntat ttaaatnnga 420
antnaaccgg cctgannngc cnaaaanggn ggggcttccc agg 463

<210> 383
<211> 220
<212> DNA
<213> Homo sapiens


```

<400> 383
gtgggggtctt tcaagttagga cactcaagca gctctgtgga gaggaaccat cttgccagct 60
ccaacatgcc agccatgtga acaagcccag gtggcaaata acccagcctc agtcaagctt 120
tcagatgacc acagccccag ttgatattctg actgtaacca catgaaacac caaactctgg 180
actcacagaa atcatgagat aataaacaat gattgttttg 220

```

```

<210> 384
<211> 434
<212> DNA
<213> Homo sapiens

```

```

<400> 384
gcaaagaaac aaagaggaag gtgtggatgc tcaccagaa gtcttgtctc ctgcagctcc 60
cttagaagct caatcctcag gagacagtgc actgggggtt gccaaagggga cctgaaatac 120
cggtttgcca caatcctgac caaatcggct ccagaggctg agaagggaga aggtgtcagt 180
ccattcaaaa cccatcgtgg ctgattttga agtggaaaaa gaaaaaaaga agcaaagaaa 240
agcattgctc agcaatgggc aggaagaaga gttaagaggc tgagctcttc ggcaagaaat 300
gccatagctc tttcaacttg gacagagcca ggaccacagg ctggttgtgt caaaaactgg 360
gtgttcttgc ttagtgcata aggtttggtg gttttcctcc ctctttcctt gagccctggc 420
acttggggac cctg 434

```

```

<210> 385
<211> 268
<212> DNA
<213> Homo sapiens

```

```

<400> 385
attgtgaatg ccagcagaac agctgacccc aaacagcttg aagacccccca caacagaact 60
gaatcagcat gaaaatgcag tttctccacc tctctgttcc atgacttcac cctgcactct 120
tccaccaatc aatgggtctc acactttggt cgacaccaa acgcttaaga acccaaccct 180
agccccaaat tccttgggga gacagatttg aggagtcctc ttacctctc atttggcagc 240
cttaaaatta aaactcttcc tttgcttc 268

```

```

<210> 386
<211> 542
<212> DNA
<213> Homo sapiens

```

```

<400> 386
gtgacatggc ttacaaggct acttgtaatc aacttctcat ggctcatccc catttgtgcc 60
ctgaactcca aacgtactga gttacctgca gttcctgtaa tccagcatga ctttgtctcc 120
caagcctttg ctgtccccac tcatccttca gttcctagct caggaatcat ctccatcaag 180
gtttccctga cttctcccat ttcccaagtg aggcgttcag agagtccgtg gcttaccttt 240
ggggtagcac ttacatcctg ctccctaact gtctgtagaa tcatctgtct tcgctgtctt 300
tgagcacctt gagggcaggg actgcagctg ttatctgggt acatacaaca ccaaataaca 360
atgcctaagg catgccagat attcaataaa tgtctgtgta agaagcaaat gtttaaacat 420
ttccttcccc agcatgcctt ctctgactat cccacctcc ttccagaagt actcacctaa 480
tccatgcgga caccatagac caagtgcatt tataaaactg gtttataata ttaaatgggt 540
ag 542

```

```

<210> 387
<211> 282
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(282)
<223> n = A,T,C or G

```

```

<400> 387
gtatantant tcttatangn nngnnnnnnn nnnnnnnnnn gggatgctcc ttcttgacc 60
cagccaccca ctgggaaaag cctaagccac gtggagcanc tacatagaag agggccgggg 120

```

```

ccacagctac agccagcagc tcctgccagc cactgtgagag agctaccttg atgttccagc 180
ctccagagat ctaagagctt ccagacatct accaccccag ccacaccacc tgagccaatg 240
tcccacagag tcatgggaga taataaaaagg ctgttggttct ct 282

```

```

<210> 388
<211> 263
<212> DNA
<213> Homo sapiens

```

```

<400> 388
aggcaagttc tccgttgccc aagctggcct ccaactcctg gctcaagtga tcctcccacc 60
tcggcttccc caagagatgg gggttacaggc atgagccact gtgcctggcc tcacaagatg 120
ttgttatctt tgttttacac tatcaatgcc catgcgtcct tacttaatta ttaaccactg 180
tattgctgtt cattcttctt gcatctcata tcttccatca gggatcattt ttcttctaca 240
taaaataaat catttgtaat ttc 263

```

```

<210> 389
<211> 292
<212> DNA
<213> Homo sapiens

```

```

<400> 389
gtaatgcttg tgggtgttcca gacagcagaa tgtgagtggg acatcatatg taccacctct 60
gggcctggag catagaactc acacataatc cttcatgttc ttatgtgacc acacagatga 120
acaaagcaag ccaagtgtgg aaacgtgtta aagatgacgg aaccacaaga tggacaacagc 180
ctggatccct gaatccctcc ttggaggatt agtgcccaca aattgtaaac agccacccag 240
atctcagcga gcaagaaata aattatacct gaatgtttta aaaaaaaaag gc 292

```

```

<210> 390
<211> 244
<212> DNA
<213> Homo sapiens

```

```

<400> 390
gattgtctcc aatttacctg gaccacagcc agcaccgtat cctcaggcac cccatgggac 60
agtacataca gaagaacagc atcacaccac atcctatcac caaggccagg attctgtgcc 120
tccgcccccc tccccacctc cttgaaacgg gggaagtagg gggaagagtc aattcttctt 180
ggagcacatg agatggtagc ttgctgtgtt gtcttgaaag aaaacaaagt ttgtaatca 240
ctgt 244

```

```

<210> 391
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(436)
<223> n = A,T,C or G

```

```

<400> 391
ctgaggaata tatgattggt ttcttggaac aatttcacag ctggcatgga actgaaaccc 60
tgctactcag gggaaattag gatcagctct tgtccagttc aagctgactc cactgagcct 120
ccaatggcct gtatgaatgc ccaatgagtg ccccttttgac atcagaaggc caaaaactcc 180
accctcagat tgtgccaacg acaccatctt gcgaacgtgg atcctatgaa aagccatgaa 240
gcttaactgc actcgcacag atcagcaatt acctcacttt tccttaccac caattaactt 300
tttccatgca ttggctgcct tgcttcttta ttccacaaaa atccttatgg cccactttc 360
aaggaggagg aaatttgagg ggngttatcc cacctcctca cttggctgcc tcatgaataa 420
aatcttttct ccctgc 436

```

```

<210> 392
<211> 178
<212> DNA

```

<213> Homo sapiens

<400> 392

```
aggctgttgt gatatacctgc atggacaagg aaatgatgtt catctaatac acccacttgg 60
gaacactttg atgcattggc tatgattgtc tttctgtttt ccttaccctc atctctagcc 120
ctgtcccagt atgagaacat ggaaactcat tttggaaaat gtgaaatgag tgatcccc 178
```

<210> 393

<211> 263

<212> DNA

<213> Homo sapiens

<400> 393

```
attgatcgca gagttgaaca acagagaatg tgtgcacagt gccaggcaca ggtgtggtca 60
agattcacct gggagaggaa gtgggcaggg gcagaggagt gtgcccacct gagctgaaag 120
gctgcatggc aggtgacat tatcaccagt gtcgccagcc aggtcacctc tctgaatttt 180
gtggttgcaa cctccatgat tccctagagc tgtttttacc cagaactaat gaaaaattct 240
gcacattaaa ttcattgctat tag 263
```

<210> 394

<211> 267

<212> DNA

<213> Homo sapiens

<400> 394

```
ggccccctaac agtgtcatag gcctgatgga gcagcggaac ctgcctgagg gtaaagctga 60
agttcctcag aaaccagacg gccttacagc ctcttctactg ctctttgaga tggaagagaa 120
gaaatgcaga tgagtgcctt ctgctacaaa tctcatctct ccaagctgaa gttgccaagg 180
aacatgccat cactgtaact gctaaaaaca caacgtataa tgaaatgcat cttctacaaa 240
tgaatctgtg aatacagaat agcctac 267
```

<210> 395

<211> 180

<212> DNA

<213> Homo sapiens

<400> 395

```
gcacacatag ttccttttgg cgtcttatct tctgaagctg cctcaaggcc aagcaaagaa 60
agttgttaaa aagttaagtt acttttcaca gcctgcaaac ccttcaaagg caagaactca 120
aatagaaact tggaaaggca gataagccag aaaagtgtac taataaacgc acttaatatg 180
```

<210> 396

<211> 428

<212> DNA

<213> Homo sapiens

<400> 396

```
atgacactgt gagaagtcag atgtatcatc tcttttgatt accactgggt ctccaggacc 60
tatgtcataa aagattagat caacctgtaa ccagagccta ttaagtgatc tccagcaact 120
gtctccgagt tggaagtgtc agccaaagaa tttcagtgat tgcgttttgt gtacttacac 180
ctgtgggacc agcactctcc atttaatgag ccagctgctt ttctgattgc ttccccggat 240
ggccaagtca ctgcagaagt ttcttgaaag ctcaaagtgt gccttttctt aaactaccca 300
tggtcccccacc ccacctcatc ctgtgcctat aaagacccca gactcaatca gcagagagga 360
gaagcagctg aatgttgag agaggaggact tgacttcaga gggacagctt gatggagtaa 420
ccggagaa 428
```

<210> 397

<211> 285

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(285)
 <223> n = A,T,C or G

<400> 397
 aaactctnat ctcttnccac tgnctntggt attcaagagt ttgtttctat ggnggagcta 60
 atgagtctca tccttgacgc taatcaaatg tacnanagca tcaacagaat taagatgggt 120
 ancgaggtga ggctttgaaa tcaacatctc cgcctccttg cataaaccct tcattgagac 180
 tcctcttcca tttgggcaac ttgatgtggt tcaagagcat ggagaattga tctcttaaga 240
 ctcataaaat atttgcttct tcaaaaagaa taaaggaact gaaac 285

<210> 398
 <211> 169
 <212> DNA
 <213> Homo sapiens

<400> 398
 gttggagatt acatgtctaa atcttgttca cacctatggg attggacaaa attttctcat 60
 gaaactaaga gaacaggcca cagagtgtct tgcaatctat gctgctagca agtgtctttc 120
 tcatgcctga tgttatacaa aaactagcaa taaaggctta ttctttcct 169

<210> 399
 <211> 224
 <212> DNA
 <213> Homo sapiens

<400> 399
 gaggaagggc tggaccctgt atttgtgttg tgtaccctca ctctaggagg tgtcttcaca 60
 ctaagagatg gccactcagc ttctggcatt atcactctgc atctactttg ccaagcttct 120
 tcttttgaaa cgtcttgtgt aggcagtagt taagaatatg ccaccagaa gaataccaga 180
 tgaataaact taaaaatatt ttgaataaag ctcaatctaa caat 224

<210> 400
 <211> 466
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(466)
 <223> n = A,T,C or G

<400> 400
 gagctgatac tctattaatg gatctagtgc ctaaatacaa agaacagaga gagtctgtat 60
 aagcaaaatt acctgaanaa aggtncgaaa aactgggtccc aggnccntaa atgctgngc 120
 tnnnaaaang nnatntnggn nnaaaaaaac ngnnancccc ttctcccc ntccagaaac 180
 ctanaattna cgttctacna cttccacaac ccaattccaa cttcctttnt taatatgtgt 240
 aangngtatc tgccccatgg gccttctgga tgtgttcac aattctgaaa aactctgaac 300
 tcggaagctc agtgagcccc agggtttggg gtaagatatt acggacctgc ncttnagcca 360
 aaagtgcctn cgctcactct actactgnnc tactgnnccg gacggnggat gtcccncaaa 420
 gccnccctgc tgtggggcag gggggccccc tgctcctttt ggggaa 466

<210> 401
 <211> 350
 <212> DNA
 <213> Homo sapiens

<400> 401
 gtgggggtctt tcaagctcag gaacaaagcc ttagtcccta caggagaaag gcaatcctaa 60
 ggagagcggc gcctgaaccc ttctctacca tcaagaactc aagaactcag cctaataaat 120
 gtgggagcaa ttacataca ccagctccag gcctggccca taacacttcc tgcattgatc 180
 gggatgcaaa cgatccagtg gaggcctccg aggccttaag gatgaagcag ctggagacag 240
 aagggcctgg gtccctgaat ggctgggagg aatagagccc cagtgcagtc tacttgacac 300

cccaccttga ctctgacata ggcagaaata aattttttaca ctctaaaatc

350

<210> 402

<211> 133

<212> DNA

<213> Homo sapiens

<400> 402

agatgtatca aatgggagac ggccagcagt gatcaagtct tgattaatac tgaaaaacag 60
aagcttgtgc tcacaatccc tgccattaca attctttata gtatgtaagt actttaataa 120
acattatgaa gcg 133

<210> 403

<211> 330

<212> DNA

<213> Homo sapiens

<400> 403

gaaggaggat atccctgcga tcaccaagcc tctaccctta tcttccaaac cagtcaactta 60
ccacagatgt cttgtcaagc tgaatatacct ccagatctga cttctttcct ctactgggtgc 120
tcaatacaag atgctttact ttgtcacaag aagcatataa taaactcaaa gctgcaagga 180
tatactctgta agggaaaattt tttcttgatc tggctggcct tgaacataat caccagaaag 240
actttttgtg ctcatatatt atgggtgtaa atgaggattt ttttcctcac ataagaatgt 300
atctagtcca ttataaaatg ttattgatgc 330

<210> 404

<211> 242

<212> DNA

<213> Homo sapiens

<400> 404

tcctgtgcct ataaagaccc cagactcagc tggcagaaga gagaagcagc ttgactggag 60
aaagatgatt cgacttcagt gggacagcta gactttggag gacagacggc ttaacttcag 120
ggaagagcca gctagtgcga accggacttc aggggaagatt acctgcccaa cctgaccct 180
ctccagctcc cctctctgct gagagcaact tctatcacta agtaaaattt tctacctcca 240
cc 242

<210> 405

<211> 289

<212> DNA

<213> Homo sapiens

<400> 405

atgggaaact gaggtccgtg aagtcacttg cctggatcac acagctcatg accagtatgg 60
gtcggcctgg gacacaggca ttctggggct caccaccagg tgttccacgt gtcaccacta 120
gacctcccaa ccaggagacc ctgccgctgc cccagcctgg agacgtgaca cttctcccag 180
ccaggaggct ccagtgaaac cagggattcc ccaggctcac cctgactcct catcttggtta 240
acgtatttaa tcctcatcct gtacatgaaa taaatatctt atctcatct 289

<210> 406

<211> 436

<212> DNA

<213> Homo sapiens

<400> 406

caaaaggaaa gtcacagcca gagaacgtga ctcccggtga gcctggagcc agcgtgactg 60
cagagggcca gtccccaggt gatgccggtg cgctggagaa ggcttgggaa gatgtgcgga 120
gacagacacc tgggacacct aaggaccaag cccagagcca cgctgctgct ttcccagctg 180
ccactgggct gcatgaaggc agaacatctc cagtgaagtc aacattcagc tccaacctta 240
agcctccacc atggccaaga aaggcattgc tgctggggga gaaatggaca ttaacactgc 300
ttcaaaaggg tgctgaaaaa cacccttcac ccccgatggc ttagcttggtg gaattcacgg 360
gtacttgcat ctgacctca tgagtctatg tagaaaaacc tggttgagga actggttggt 420
gacaccacaca tcagct 436

<210> 407
 <211> 179
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(179)
 <223> n = A,T,C or G

<400> 407
 atatgtttgt ttattcgaac aggatgcagt ccagtcttgc tgacttagga tgcagcaacg 60
 aggcactatc atggaagtcg aaactgggtc ttcaccacat accaaacctg ctggtgcctt 120
 ccttgatctt ggacttctca gcctccanac cngtaaggaa ataaattctt tttttaaat 179

<210> 408
 <211> 419
 <212> DNA
 <213> Homo sapiens

<400> 408
 agcttggttg aagtgagtgt ggtctttgct caccagaaaa cagttgagga ttgccacttc 60
 ctagtctgca tatgcccaga ttgttttaag ccagccaaaa acaaacagtc tgtattcact 120
 agaatggcag ttatgaaagc cttgaataag ataaaggaag aggatttcct taagcagttt 180
 ccttgctctc caaactcacc aaaggctgta tgcgctgttc ttgaaattga atgtgctcat 240
 ggtgctgttt ttgtagctgg gagatataat aaatactcca ggaatctacc acaaactcct 300
 tggataattg atggagaaaag gaagctggaa tcttcagtgg aagaattaat ttcagatcat 360
 ctgttggcag tattttaaacg agagagtttt aatttttcat cctctggaaa aaaaaaaag 419

<210> 409
 <211> 409
 <212> DNA
 <213> Homo sapiens

<400> 409
 gaacccagtg gctctgagct cagcacgcga tgcacccagg aatgtggcct tacgttggtta 60
 ctgtgcccac cctgcgaaaa ctgggaagaa atgaagaagt catcctcttc ctgagacaga 120
 gccagcagc cttggggcgg ctgagagaag atgggatcca cgtggcccat agcgcacccc 180
 acaggccttt tctgggaaag cagtcttctc tcggggaagg gagagacacc tgccgaggac 240
 ctgccagggg ctctcgcaact gacgctgctg tccttaatgc ctcaacagta caggcaacat 300
 gggctacgct gagccccctg tctcctggaa gtctgggtatt ttggtatttt ggcagggtgcc 360
 aggcagaggg tgcctaagac cagccccata aagtccctgg gccttcccc 409

<210> 410
 <211> 443
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(443)
 <223> n = A,T,C or G

<400> 410
 gccagcatgc acggcgcaca ccgtanctgn cgtctggagc tccagggttg ggggaattgt 60
 gttacgcatt gcctgtcact aggtatgagg ctgcctccga tttccacact nagaatcang 120
 gctgcagngc cctttgtgcc catggctgnt gatgcacaca ggattcttnc aaaacaagag 180
 gccctactct gtgactgtna gccttgccat caacactnct ntttggagna nagctncctg 240
 ntggccctga ggcaggagnn ttctgagatc ttnacntatg ctgggcttga tccangcctc 300
 antacaggtg aagaaacgga ncctgtaaaa ntgaagtggc ctgcttaagg gccngggctg 360
 aaagtctgag gcctgggttn aanccaaacc cnggcaaggc ttttgagaac tccacnttg 420
 ctgccatctt acgtccaggg agg 443

<210> 411
 <211> 96
 <212> DNA
 <213> Homo sapiens

<400> 411
 agattggaga taacttcaat tggattatgc ccttgggtcc ttatcctgac acttcctgga 60
 tgatccatt acaatacat gtgatgacat ctgttg 96

<210> 412
 <211> 306
 <212> DNA
 <213> Homo sapiens

<400> 412
 acaggaaata tgctgacacg ataataagat gtgagggagg cacatcttaa acttttgtgt 60
 gaagacccaa tcatcatgct gacgaatcac aaaaagatca gttaaagccca cccactctca 120
 caggtgggtgt cactgtggct ccatcacatc agctagacct ggccatgcag tcccaacttg 180
 ttacctacag ttccagctgc caactcaggc catctcactg aatgaaatac ttgcttcaac 240
 attgaagatg tttcctctgg ccactcagag gaaacaccct ataatgaaca ataaacaaaa 300
 ggactc 306

<210> 413
 <211> 219
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(219)
 <223> n = A,T,C or G

<400> 413
 cttgcccccc acttcctctc tccctctttc ctatgggctg gaatattgtg gatttggant 60
 gagccagggt ccacaatgct tgatgantac aatnttttca ngaanacagc anaacagcat 120
 gaagaaaaga aacctggatc tgcaagtgcc taagcagtga gcaagacccc accaactctn 180
 ggccactnct tcttggaaca tcttaataa agttatttc 219

<210> 414
 <211> 457
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(457)
 <223> n = A,T,C or G

<400> 414
 atccatgggc cttctcaaga cattggcttt gttctgaagc agtcccacg ctcttccaga 60
 aatctctatg cgggactctg aatgtgggtca agaagaagat gtactggatg cacattccct 120
 atcaggagtc tcttaatagt ctcccaccca gttacaacat attgctgtaa tcccacacaa 180
 cagctgaaac atcttttctt catttctttt aattcctgta gcatttgatg tctccaccgt 240
 gtaatttaca ttttaattgta agttgttttg catcatttaa tagttgtttc aagtatgaat 300
 gtcttgccct cccaagaaag attaaaataa gaatccttta aaaacaagag cttactggng 360
 ccagggccng acttagactt agagtaaacc ncaactactg gcttcacttc aagctgacct 420
 aaccatcttc ccagcgaaga cggncacact ggaacta 457

<210> 415
 <211> 356
 <212> DNA
 <213> Homo sapiens

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<220>
<221> misc_feature
<222> (1)...(356)
<223> n = A,T,C or G

<400> 415
gcccggaaaa atggagggtta acttcattgt catctgtcat ggaactgtgg ccacaaaaag 60
aggccgtctc tcaggccagg gtggctccac ggtcccagcg acatgcaggg gtcctctctc 120
tccactcttc tgcttgctgg cctggcacag gtaatggcac cgaagcctcc ttctgctatg 180
tttgaacagc gccacgcttt cctatatatt tttatagcag agcctaaggc acagcctggc 240
acaagtgcgg gaaacaagtg tctctncatg ccagctccaa gcggaggctc aacttttcat 300
tgntggttgn caaaaggggc aaanagcccc tgggaaaaac caaattttga caggga 356

<210> 416
<211> 99
<212> DNA
<213> Homo sapiens

<400> 416
gttctgtttg ggctctctgc ttcctcctaa agaagctacc aaactgccac ggttacactg 60
ttttaatcgc cgctcattaa aagaaacact gactgggtc 99

<210> 417
<211> 173
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(173)
<223> n = A,T,C or G

<400> 417
ggccagacct ctgcagaagt ggtgtcaatc acttactcct ttccataagc tcaactgcaca 60
caccacttat gacacagaag actctaccaa aggaaatcaa actacagaac agcaacaaaa 120
ctcaaaannn gnnccatttg cttttgtgtt attaaaatat tttctcagca gac 173

<210> 418
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(463)
<223> n = A,T,C or G

<400> 418
caacaaaaaa tggattaaga cgccaagagt ggagagtccc tgcacaaact ggattcaaca 60
aggacagaaa ggaagcccaa acgctttaca tattgcctgc ttacacccc aggctcaagt 120
ccagaaagtc cctgtgatac aactctccag tgatttcccc tgagggtccaa ctagtagagt 180
gcttaaaaaag tctttgttgt aaattaataa attaatacaa aaccaccaca ctgctatttc 240
ctcctaccta tcttcctgtg cctatcataa gctgtatcac ctggggaaaa aacatttttc 300
agctaaattht agaacaggga gggttttggt ccataattcc acttctagta atagattcta 360
aggaaataat cagattttaga taaagatagg ngatgataa tattcaggca atgggggttt 420
caatagtggg aaggtgggat caacctaatt tgaaaaatag cca 463

<210> 419
<211> 474
<212> DNA
<213> Homo sapiens

<220>

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<221> misc_feature
 <222> (1)...(474)
 <223> n = A,T,C or G

<400> 419
 ctctttactg gtgagaagat agcaaaaagct gaagcagaca cagaatccac aagtggaaaa 60
 tacagcagtg ccattaaagg agtgggcatg tggcctatct ctggccctat gaagcaaaaag 120
 gagaggtctg ctgggagact tcctgaaact gctcttcctg gaaggaggga aacaaacaaa 180
 acaacaacaa aagaacttta caagagaaaag ctttttatcc cagcccttc ctactcccat 240
 tgaatgcagc tctgtgagga cacgatatct gaagctgcag tagctgaggt ggcaaaaagat 300
 ggcagaacag aagagcagac agaactctggg tcctagatga cttcattgca ctgntgcaac 360
 tgncttntnc agancntntg gcnnngggna aaaaatnaaa nggcntcntt gnttaanccc 420
 ctggganact anattntgtt ctttgccact gaatgcatcc taatgctgga actg 474

<210> 420
 <211> 477
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(477)
 <223> n = A,T,C or G

<400> 420
 accttngcnn gaaacatgaa tgctnacacg cagtgggtgca ccacangeta ttgcactnag 60
 ngagagcccg atttgttngc tttgngcccc tggantggaa tcccagnngg aagatngnna 120
 tgagagtcna ggnctacgga tgttntctata aatcagacgt tgctgncttt gatggccnna 180
 nctnacttct gnacaggntc aatnaaaaagn tgatnantac tntcaaanat gtgatctncc 240
 tgaagttcaa natcatgcna ggagatgggg tcctgttcca tggagaagggn gggggggggag 300
 accacatcac cttggaactc cagaaaaggga aggctcgncc tacacctcaa tttggnggnt 360
 tgtagtcttc cttgaagagg tccttcacat cccttgtaag ttggaaaaaac attccatgct 420
 catgggtagg aagaatcaat atccgtgaaa atggccatac tgccaaggt aatcttg 477

<210> 421
 <211> 292
 <212> DNA
 <213> Homo sapiens

<400> 421
 gtttatttgc aagatgggtt tgaggggaatc aaggataaag tctgctgaaa gtagtaccag 60
 cctctggatt aaaagggatg tttggatgaa gcttcaatct caagaagagg caagagaaaa 120
 ctaaagaaaa agattattct acagaaacaa cacatcactg gatgcctctc accatgcaat 180
 cctctgtgca cttgagaaga agacaagact ctctatttt tagatgggaa agctgaggca 240
 aaacggatgc acttgggcaa aatcatttga taaaaatgga agctgaacct cc 292

<210> 422
 <211> 98
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(98)
 <223> n = A,T,C or G

<400> 422
 agagctgact ttanagggat caagaatatc tagntggatg gaaggagggt aaactcaaag 60
 gacatgtcat gaattcctga accacaataa atctgtga 98

<210> 423
 <211> 103
 <212> DNA

```

<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(103)
<223> n = A,T,C or G

<400> 423
aaattccnng gactaancnt gancacaaact ccatcggtt tgaagattct gtgccttcta 60
nttctgccta agaataagaa gaacttaata caaatggaaa att 103

<210> 424
<211> 376
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(376)
<223> n = A,T,C or G

<400> 424
gctacctctg ctcactctgc cctgataaca ctgaatacag gaactgtctc catcacccag 60
aactcccgga accaagcact cagcccgaca cgtcatactt attaaaaaca cggagggtcgt 120
gagtggattt ccacgtattg ttctagatga tggagaggcc tgaagagtga ggagtgggga 180
agaaatgtca tcgctgtttt cacctgcacc cttgtttcag agaagtgaat agtcattcat 240
ctctgggtcaa caaaatgata atagtagcag caacaataat attctctttt ttgagcact 300
tcttatgtgc caagtacttt atgtatgcat tatcataaat aaagcttttc accattncct 360
taattctttt attttt 376

<210> 425
<211> 78
<212> DNA
<213> Homo sapiens

<400> 425
agaaaagcaa tgtcttgcag tttggtggga gagagtatgc agtcaccaac atggcatgaa 60
tttaggagtg aataaacg 78

<210> 426
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(330)
<223> n = A,T,C or G

<400> 426
tgtgagggtg aggacctntc ctggctttca cttcaaccc tcacctcacg aaggaggaag 60
gtgcagatac tccatagggtg cttaggagtg tnagtgttna gngactgctg caagaaaaga 120
ggagatacga tctgatcact tagacttcaa atccaaacct tgaaaagtcc caccagtggt 180
aggactcttg ccgccttgag agaacacagc tgatgtccgg aagcaatatt gntaacntta 240
ccaataantc caatcaaacc ccaaaaaaaaaa aaggccccgn ggccattta ncttggantt 300
accaggctga acttgnttaa aagggggggga 330

<210> 427
<211> 291
<212> DNA
<213> Homo sapiens

<400> 427

```

```

tgatcctaga ccatcccccct tcgcccttgt tctcaactgg ctgggaagat tcaagagagg 60
cttccaacct gctggcagtg acggatggca gtgcagaggc acacaatggc aagtgcaggc 120
gcgtcaccag ccttgacagct ggccttccaa agaaagaacc aaagtcgaag tctgtcctga 180
cagaggctga ttttaattaag gttatagcaa agggcagaac tgccctgtggg ctgcattctc 240
tgcagagggc caaagacaat gcattaaaat acttctcagg aagaaaaaac c 291

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```

<210> 428
<211> 304
<212> DNA
<213> Homo sapiens

```

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<400> 428
atttctcatg gaaaaggacg gcctggagcc tttgaacagg gtctgtgtct tcctcctgtg 60
tcagcaatgg gggaggaaaa cgagcgcaact acggggtaaa ggaggtcacc caagatctca 120
agttcacgag tggcagcctg gattcaagtc cctgcctgcc tccagaacct gagctctgaa 180
acgctggact aatcagaacc tcttggccct gaaaaatgag gcctattgaa cagagacatt 240
tgtaagaaaa gggactatta caacctattg taaagtaaca agcaaataaa aaatgaaatg 300
gcc 304

```

```

<210> 429
<211> 248
<212> DNA
<213> Homo sapiens

```

```

<400> 429
gcgattactt taaaacatga aagaaattgc accttttcct taagggcaag atggtgctgt 60
gggctttcct ctctcctgat gagatgatgc aaatggactc catagagaaa cgctgcccgt 120
gtaacaatgc agttacgcaa cccggtgcat gacacatgaa ttgcagcgca cctgagatcc 180
tgatgaaatc ctggggagcct ggagctgtca aacatggttt taaaaaataa aggggaatata 240
cccagccc 248

```

```

<210> 430
<211> 460
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(460)
<223> n = A,T,C or G

```

```

<400> 430
ctgctccgct ctgtccggag gcttcctgaa ggcctgtgtt ctcacctgcc cttagtggga 60
aaccttctat tcatctgac tattttcttg tgggggtggt caaggggccc attatgtctc 120
catctccctt tccaagctcc aaagatnata tggtatgggg gcttgccatt tgtaatctcc 180
accaaaaaat tcattattgt tggaaaagct tggattattg gattttgggg gaccttgtgg 240
ttccttgccc aaaaatccca ttgtccaaaa ccgcccattg gtgggatggg tgggtggcttt 300
tcccttttgg cctttcttgc catggatttg gaaaaagttt tcccttggag ggccctcccc 360
aagaaaagcc caaagaaaag aatggcccgg tccattgcct ttccttggtg acaagtcctt 420
tcaaaaaaaa cgaaatggtg gtccaaattt aaaaatcttc 460

```

```

<210> 431
<211> 176
<212> DNA
<213> Homo sapiens

```

```

<400> 431
tctcagcgga tgatcttata tcctgctaca tctagaaaat ggaagccatc agactccatc 60
ttctcaccac tgaggctaca aaagatatct acacctgcaa ccttttcctt ttttttcttc 120
ttcccttttg ttatgatgta taaagtgtcc cttatctgat aaagagctaa tcattc 176

```

```

<210> 432
<211> 301

```

<212> DNA
<213> Homo sapiens

<400> 432
gtgcctcggg atgggaaact tcctaagatg ttgttttggc tgtaaatacat gcggccctct 60
cagagcaatg catttgtgtg atttgcccaa ttgtgcatga gtacagtcag catggaaatc 120
cagttcaaac tgcagaagat cagcacctgt gagctgaaat gtgcatgtgt attttacagg 180
gtggaggata gtgaagacag attcaagcga taatacatca ggtttaaata ttctataaat 240
gagattggat tactgcagct gataaacatg gaaatgagta attaaaacat ggtgtgtaag 300
g 301

<210> 433
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> n = A,T,C or G

<400> 433
ctctttcaga tcttcaagaa tgtttaagca taaaaagaag ccccgagacc acaaggggtga 60
gaactaccat cctccccgct ctccggatgc tcccacagcc tgggctccc agtgcagagc 120
cagcaccaag caggagatgc agtacagtgt gcccaggacc atggcagcca tcacatatgc 180
cctccactgg ggaacaagaa gtgcgttagg ctgatgtact ccactccacc tccatacgtg 240
tttgtgcagt gacaccagcc tggagggcct tctatcgcca tctccctcct ctgtaaatcc 300
taccactct ttgagtcttg gncccagggg ctgntgctct ctntntctca aatgatttct 360
gtgttctcat ttgtctctgc cttctctggg aatctttggt gccacagggt aatctcctgt 420
gtgtcactcc tgacttcgga agc 443

<210> 434
<211> 288
<212> DNA
<213> Homo sapiens

<400> 434
ccgtgcttcc caccaagggc tcttggtatg aggtgtcaag gtgtgaagac acagcccacc 60
tagagaggag agactgctga cctgctaact gaaaatataa gcaagccctg acatgccaca 120
ggccgtcgga agagacattt gcttttgagt acccagccta ttctactctc tgacttatgt 180
agatgggaca aatggtgccc tgggcacact catctacaca tcagcctgaa ttagctagta 240
aatcacaact gcagtagcta ataacagcca taaagccttt tgaatggt 288

<210> 435
<211> 383
<212> DNA
<213> Homo sapiens

<400> 435
ataacagcac tatgggaagg aggaagaatt taatgaaagc ttgtacctgc tggctgaaac 60
taagcagcct atttataaac tgctctgaaa tgccaggagg caggtaactc ccaaataaaa 120
aagcaagcag gtctctccca ccatcagtgg gatggctgag ctgtctgtgg tgcccttgca 180
tcttgctgct tcgctgaccc tgaaggctct cccagcctc aggcgaccaa gcctacagcg 240
acctcaagga gcagctgcct catcagtgtc tgtaggaggc tcaggatgga gagggtctg 300
atgcccccat tttgttcct tctttgtct tcttttgact tccctagggg agggaaaatg 360
tgctatgaag ttaaaagagg aat 383

<210> 436
<211> 251
<212> DNA
<213> Homo sapiens

<400> 436

```

atagaaaaga agataaacac tcaccgcaga gagttggctc catgtggatc tcaatggctt 60
atgggtgaatc acaatttttt catctgactt ctgttctttg ggctctgact ctccatcaga 120
atcaatgtca agggccttct ccttgtagtt ttgatacagg acagcatttt ctgcaagaaa 180
acaaggccta tgtgtcacta attgttctca atcattatgt tacttgttct aaataaacat 240
catatgtacc c                                     251

```

```

<210> 437
<211> 220
<212> DNA
<213> Homo sapiens

```

```

<400> 437
gtggcttgaa atttgaaaca ccatatgaag gttggggagt ctcagggaca gcccagctgg 60
ggatctgaag ttgctggaga agattttgcc taggctggcc agcaactggc agacaagagt 120
catcctttca caatgctgga gacagtagac cttcttcagg accacaagca agtcaccatc 180
tctgggtcac agcttctctc attaaaaagt tagaagatag                                     220

```

```

<210> 438
<211> 229
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(229)
<223> n = A,T,C or G

```

```

<400> 438
gccctggcaa cnactattgc cttttctgct tctttgagtt tgactatcat ggatacttct 60
acaaatattg attttcaaga tcaggaaaaa taccgggacc agaagacaaa ttccagagcc 120
acctaaattg tggagtctaa taaaagattc ctttctccta atgatgtgac catccaaagg 180
atacactctc agtgtaaacg taaaccacga ataaaatttt atcatcacc                                     229

```

```

<210> 439
<211> 309
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(309)
<223> n = A,T,C or G

```

```

<400> 439
cagttttctg cacctgcctt ggtatttgac aactccagcc aattttccac ttgcttcttc 60
accaatgctt cttcagcttg aagactaaca tctagaagag tcatgaagtc taaagtcaag 120
aggagtctta tcttctagaa agtttttcaa acatcccaac ctcaaaaagt ttggctaaat 180
ggtgttcttc tacagcccca cacatgcaaa catctttatt gcacttgtgt cattattttt 240
tcttcgtata tgtgnttttc tataagtaca tttatatgaa ggnatatttt gaaataaaga 300
cacttcctc                                     309

```

```

<210> 440
<211> 756
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(756)
<223> n = A,T,C or G

```

```

<400> 440
ntcaacaaac ttnaacttnc cgggnttgaa aggacaaaac ttttttcggg gctttttcng 60

```

```

tgggggggaaa ncaaacgggt ttnaaataaaa cntntnatat anaccccccn cncctttggg 120
aaatcngggc catttnacna aaaaatgaan tnggcnccca agggttttcc gggcccgttt 180
ggggtggnaa aaggctnttc cggttttgac tggggggcaca aacaaaaaca aatccggctt 240
gctcttaatg cccgcccgtg gtttccggct tgtcaagcgc aaagggggcc ccccggtttc 300
ttttttgtca aaganccgac cttgtcccgg tgcccttgaa atgaaacttg caaggacgaa 360
gcaagcgccg ggctatcgtg ggcttggcca cgacagggcc gtctctttgc gcaacttgtg 420
ctcgacgttt gccacttgaa ancgggaaag ggactggctt gctattgggg cgaaatgccc 480
ggggcaanga tctcctgtca tctcaccttt gctcctggcc gagaaaagna tncatcatgg 540
cttgatgcca atggcgggcg ggtgnatacc ctttgatncc ggttaccttg gccattcann 600
cacccaaccg aaacanttgc attcgaaccg aacacgtacc tcggaatgaa acccggcntt 660
gtccaattca agaagatnct ggacnaaaaa caatnaaggg cttecgcgcc acccccaact 720
tgttcgccaa ggcttnaaag gggcgcatg ccccca 756

```

```

<210> 441
<211> 599
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(599)
<223> n = A,T,C or G

```

```

<400> 441
ccctgtgtga ctcatggaaa acagggagtg acgggtcaag cagagaggaa tgtgaactta 60
gtgggtaatg ccataaacct ttggccagga cataagcagt agaagcagcc tgcatgtgtc 120
atccatgaga aggccccgt gtgactgcag aggcaggaaa ccaggtgtca gtggagacaa 180
aggagtctc ggcgcgtaga atgggacttg gacgagggcc cgacgggagg ggacagagga 240
tggctgccag ccagacagtc ctaactcggg gaattcagtg accacagcat ccccggttga 300
cacggctgtg aggccttcag agcatcacca ttcagtcacc cctttttaca ctggggaaac 360
tgaggctcaa ggaagtaaag cagaaatgcc tttagccttg gcaagaaggg acctgtccta 420
nccctgcatt ttgggagcag tgcttcttca actacctaang gcaaangacc catttggttg 480
tcaacctctt atcttgttca nactgatagg ttaataagaa acaataaaaa tgatttgccg 540
ggcaaggngg ntcacacctg taatnccacc ttttggagnt gaccggcgag ataacctga 599

```

```

<210> 442
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(512)
<223> n = A,T,C or G

```

```

<400> 442
caagaacttg agacggggat cttccttttg taccgggccc catngnttaa nncnngnatt 60
ccnacctttt tggaggtccg aggcgggncg ggntcacgaa ggccaggagt tcaagaccag 120
cctggcctat atggttgatc cttctagtct cgtggcagaa cttttagtag accaagcgag 180
aggggcagcg tgttctggac ctcattcctc acacagggct cacctccgga tgagtcagag 240
gccttagccg gtggcccagc cccgggaatg ccaccccggg tctgtaccct gccaggcca 300
gctgacaggg tgtattgggg cacacacctg cagcatccag ggcactccaa ggagagggac 360
gtacttttga ggagaagtct aaaagtctaa gtccaccacc tgaacttggg gggggaangg 420
cttctatacc aagagggctc cccgctgtt cttaaaagcc atttaagcag aatgacgtgg 480
ctcttcaata aagtaaaaaat gggcatgct gg 512

```

```

<210> 443
<211> 223
<212> DNA
<213> Homo sapiens

```

```

<400> 443
gattgctccc tttgggagac accagccacc attccatgag ggcactcttg gagaggttca 60

```

```

aatggaaaga atctgaggtt tccactaaaa gccaaatacta tcttgccagc catgtgagtg 120
agtcaccttg caaatggatc ctccagccca tcaggtctac aaataactga agcctcaagc 180
tgacaacctg actgtaatct cataaagtca taattgacca act 223

```

```

<210> 444
<211> 618
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(618)
<223> n = A,T,C or G

```

```

<400> 444
gctggagtg agtggcagga acacggcagc ctcgatctcc tgggttcaat cctcccacct 60
ccgcctccca agtagctgga actacagatt ttaacaatca gactcaggtc aacagtgggt 120
gagataatgg ccataaattg gctccagaat gcaaactgga catttctcca ggattccatt 180
agctcagaat gacaagggtga ctccctgccc ccacctccct cacaagatgg ctccccgggg 240
cttcctctga gctctgtccc tgcctgcac ctccctgtgg ggacggctga gctgctggtc 300
ctattggagc agcatgaaca ccttgctggg tggtcatgag ggagaaaagc tcatgaagga 360
atgaatcaga gttggatgct atgcatataa atatttaggc ctgtaagggc ttctctttgg 420
tgatctgatt ccaccacata ccagggtacct cagcataatt caaacattcc tgcaggaaaag 480
ggtcataatc tctgctctat taaagtccaa tttatccttt aaatgaaatc tactcacagt 540
cctgcagatg aagactactt nctgccgatg accacagcgg ctaagangct gaggcaggag 600
accgcttgac ccagaagg 618

```

```

<210> 445
<211> 459
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(459)
<223> n = A,T,C or G

```

```

<400> 445
agtggggctc cgtttggttg cctgtttact aaacgtttca gaagccggaa gaaaatacat 60
tggtgagaac atagcaaaaag cagctcttct tgacaaaaat ggaaagaaac atcctcaagt 120
ttcagtgctc aatataatctt ccgatcaaga ctacaagaga tcagtcatta caatagcaac 180
ttctgttgat aagttggtgg acaagcgcaa ccaagcctaa aggcaagtgc tgttgcgagg 240
tcgacatcca ggaaccagag gagggcagag caatccacag aatggatctg gggtgactca 300
tggaggaaaa ccaacacaca gtaccattta attcttttta aaaagatgga aaattatacc 360
ataccngaa ttactaaatt cttaaaaagag ggggtttntn gcattccatt tgnaaaaanaa 420
ngtttcccca tgttctttta aaaattcatt ttaaaccac 459

```

```

<210> 446
<211> 403
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = A,T,C or G

```

```

<400> 446
gccttcagac tcagattgga aactacagca atggccctct gtctctcagg cttttgaacc 60
acaccactgg ttttctctggg tctccagctt gtagatgact aatcatgaga cttcacagcc 120
tcataatcg gaatgaaaac aatggctagt cctggattgg tcatctttta ctttgatgag 180
atgctgaaaa tgaaagccag gactgagggg agattgaagg agtctgaacc tctgacaaca 240
tggagtacca taccaaccct ggactatcta cctccagact ttacatgag taagaaacac 300

```

```

ctagtttgnt caaaacagta ttaatttgga tctttgntac ttgcagttaa acctaatacct 360
gaaataacctg cattctcttg aagtaaatg ctttcaaaaa cct 403

```

```

<210> 447
<211> 635
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(635)
<223> n = A,T,C or G

```

```

<400> 447
tnccannctg aggeccaatt ctgtnggaat tgctttttta aaaaaanttn tangnntnan 60
ttngaantnt gcctgtccan atttgngggc cagagattta gacctcacc ctcaaggcct 120
tattcctcac aaaagccata tgtaaaactg gctgtccac aagggtggg atcctgtgtg 180
tctcattccc cactgtgtca tcaagtggc agcacaaaac agagctcagc aaatgcttgt 240
cgaataaatg aatgaaaacg tgctcagcac agggaggtta aggcaccagg accccatgga 300
gagagagtac atgctgagtt ggctacatct gtgccaaact gtgaaagatg acaatggaga 360
tatttctctc tacagtttct gaagatggac ccagcccaac acttctttcc atgcctggct 420
gtttttaact gcaggcacag cactagctgg tttgtctcaa agattatggg tcaaaagaga 480
actgagagac aggcaagtat cccnccggct ggacatactt tacttgccgg caatacatag 540
tgctcttctt gcttgacaat tcgaacaagc agcttgactc tgtatttgag gccccactcc 600
cttttggtta actagaccan actaatttac tcatt 635

```

```

<210> 448
<211> 81
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(81)
<223> n = A,T,C or G

```

```

<400> 448
actgaggttg tgcaggaacc cccagacacc cgccccgggc atgctncaca cangnggcgt 60
gccccctgca caaaaaaaga a 81

```

```

<210> 449
<211> 616
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(616)
<223> n = A,T,C or G

```

```

<400> 449
gttttgaatg gtgctgtttg gtcacaacat ccacttgctt tgagggtattg ttggccttgc 60
tctgctnaca ttctgagaga tctgcactcc aggcaacctc tgtggacatc aagctcacgt 120
ttaccgtcg ccactgaatt tggccacctt cccccctcta ctgtgcttct gcgctacaac 180
tgtccccctg tttattcaaa catggagttt tctttcctat ttatttttgt ttgctggcat 240
ttttagagat gagactgcag aagaactttc ttactatgcc attttaaaca cagctatctc 300
atgatttttg taaaatccag atataattgn tgnctttttt tattcttgcg taaagtgtga 360
aatcttgcac accttcatgg nattttgtaa tcagcccccac ctatttcacc ttcatcttct 420
gctgcttct cccacaactt ttgtttggct acaagatgat atcataccaa atcctcagtg 480
gcaaatgtg tttctnctga attcataaca taaaaaaanc cattaaaagg ggggtangca 540
tacctgataa ctattactgg aataaaaacc cggactcacg ccttaga aan aaaaaagggt 600
atcaaagggc aacaaa 616

```


<210> 450
 <211> 617
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(617)
 <223> n = A,T,C or G

```
<400> 450
tgctgctgga gctgattccc ttccctcct catctnccac ctnccttcag tntcacatac 60
acacacagat gctgccacag acacacgcga gcgcaaatac ttacacactg ccacaccgaa 120
gaaatccatg cactgtttcc tgcaaacgcg cgcgcgcaca cgtacttcgg cgggcgcccc 180
cgtcctctgt ctcaccaaca gacacagaca ttacacttc taggccagga aagcgctaac 240
cagggccctg tgactctacg cagggtccag aacacgcctt ctacatttg tactgaaccg 300
atcagcgaac acagacaaac gtgccaacac ttaaagtcta ctggctggac ttcactnca 360
tggcaacaaa gcatggaang naaagagttg atttcagaag gaactgngaa gaagcncaac 420
aatgngccca gtgataatga gtagnaccta tgnnggactc ttnancttaa angantggca 480
cgaaagatta nctttnttat tgctctngac aaaaaaantn gntttnttt tggnggggaat 540
ttgggnatct tcttgggact tntttttttc cgatggcttc aaatcctggt ngaccttnt 600
tgnngcatgg ctcaatt 617
```

<210> 451
 <211> 203
 <212> DNA
 <213> Homo sapiens

```
<400> 451
ttttcagatt cttccagcaa tgtactacaa atttctgggg aaaaggaacc atgtgcccct 60
gccaaagatgc ccagtgcagt accagcaaga tggccaacgc ctagagctcc cttgttgatc 120
tgaaacctcc ccttttcctt acttctccct ctgttcagaa tgtgtagact tctctaagct 180
ttgttaaacc tgtttacaac ttc 203
```

<210> 452
 <211> 445
 <212> DNA
 <213> Homo sapiens

```
<400> 452
gtgttggaag gatgtcagat gagagctggg atggggagag gaagtaagga ggaaagataa 60
gcagctccct tccattctga cctgctgtgg caagaatccc gggactagca agaccaacag 120
gatgcagctg gcttcactga acataatttg ctattagcat cttcaggaac acacactgct 180
ggataaattc ccttcagga gaggccacaa ctgaccacta catggaagag acagctgctt 240
cttcactagc caatgaggca tccccacca agtgtgacca aatgcctctg aggtcagcc 300
cctcactcca gaatgcccc aggtacctga ggatgctcca gatttggggg ctgcaccgtc 360
tgtgtgttct ctacattaaa cagtattttt gtggagtcag ggggtgagga gtatgggtta 420
cttttaaata taggtttgcc aactc 445
```

<210> 453
 <211> 460
 <212> DNA
 <213> Homo sapiens

```
<400> 453
gggcctgaga atgtcactgg ccagaagaag ttgagtcctt agtgtgttga cccaccagtg 60
ctctcactga ccaactaagt gactgggtac aaattaaaga ggagaatttg aatgtctggc 120
tgtctgggaa ataaaaggtc agagagttga ttagcaccat caagccccc taccagaaat 180
catggagaga aacagtggct cggacctcta agcggcacct ccaatgactt tctgcacct 240
tgggggattc cctcgcccca ttttttatcc cattgccctt tctgtgccag tctcttctc 300
tgcgaggaag tggtttgaga accctaataa cgaatccaag gaatcctttt tgtttggggc 360
agttttctgc aggcaacatc tgtgtgcata ttagttgtca caggctcggg caaatgtaga 420
gatgaataaa ttttaaaaaa aaacaactac aaaaatacac 460
```

<210> 454
 <211> 261
 <212> DNA
 <213> Homo sapiens

<400> 454
 gccctgccac catgccatga ggaaatggaa agaccacgtg gagtgggtcac atataaatgt 60
 tccagccacc agcctcagca gaggtcccag cccacagtc gcaacaactc cagacacgtg 120
 agtggcagca agatgatgcc agccgcagtt accatctgat tacaacttca taagaaaccc 180
 tgagcaaggg ctgccagct gaggttcaagc aacgccccag acctgtgggt gatgataata 240
 aaattattgt tgttttgagt c 261

<210> 455
 <211> 591
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(591)
 <223> n = A,T,C or G

<400> 455
 gaaaagacag aagctgattg aggtcccagc ttggtaacag tttgaagagt tgcaggactg 60
 gctggatgag tactggctgc agcaaatcag gctgccagga ttctttatgg ctgtttctgc 120
 ttccactaca gctgagtcag aaaggctcgt gccccgtggg ggcactagac gcagtggacc 180
 tggcaagcaa atgtttccgc tattagctct cagcaacaga gactcattta tggtcacott 240
 ggaaatctgg gcttatcgat ctacagccca agtctgctga gaagctggag cttactaaag 300
 gggaacctg agagctgttc aagccccaaa tattttccac ttctgctca cctctgctgt 360
 ctgttagcag agtggaggag aaaatacaca gcacaaacaa cgtgaaaaaa tagttactct 420
 attcattaaa agctgtaact tccagattgg acttgagaag cattaagca acagaggacc 480
 ctcatctact atctgtattc aagcatgctc atgaaaaaca cgctgctcaa ctggacttan 540
 aaggaaccgg ngcatnacan gcatttcttg acagaatctc gtgggcctgg t 591

<210> 456
 <211> 475
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(475)
 <223> n = A,T,C or G

<400> 456
 gctccttggt taagccaaaa ctgntaaaga ggaatcaggc tcagagaagc tnaagaagcc 60
 ggcttgagtc ccagctagca aacagcaaag ccatgatttg gacagaagcc tgtgtgactc 120
 caaaacccac gctcttttca ctgtgatgca cggctaatac tgagctgagt gatgggaagg 180
 gagctctctt tgnnggattt tcangatacc ttcaaagatc angntggntc tgtttgcaga 240
 cccaactttg caaaggacaa gcntgtgtct tnactcacac tanctcggen caggttctga 300
 gccctttttg aatnggaagt tatttaacct gatcacanca aaatgaaaga ttatttgaaa 360
 accngggatg tgaaattctt ggaacccaaa gaaaattatc ccatgnttct ccaagnacct 420
 ttgccacccc ttgtggnctt gctaggncac atggacccca aacctttcca gaaga 475

<210> 457
 <211> 145
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(145)
 <223> n = A,T,C or G

```

<400> 457
gtgctgggtca cettacccaa cctgcggcct ctacacagag aggccttggg ggagaggaaa 60
agcttctcca gtgattgatg tcagcagctc acccganagc caagaacatc anaggtggga 120
tgatgatgct ntgggctatg agaca                                     145

<210> 458
<211> 434
<212> DNA
<213> Homo sapiens

<400> 458
cagaattggg acatattcca cttggggcta ggagccaact cctttccctg ctgctactgc 60
tcactccctc tgtctcatcg aggagaatgc tccaccagg agcacagaat gaaaggcaca 120
gagtatagtt tccagaatcc ccgcatttca gtgttcccaa agggctgaat tcttgtcaat 180
agaatgtaag tggaaatggg ctatgtcact ttctgtctga agagggttaa aagaagggtga 240
actctcttca tctgcagttc ataagataga aggatcccgg gtccctgaat gacctcatgg 300
aaggccatct aacaggaaca cccacattgg actgtgatat gggcaagaaa taaactttaa 360
ttgcattggg tcagtggaaa gttttatctg ttacggcagt tacttctact ttaataaata 420
caatgcatta tctt                                     434

<210> 459
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(493)
<223> n = A,T,C or G

<400> 459
tctggggagc tcctgcatta agtgagganc tgangaaaca ngcantanca accagaagac 60
aggaggcaca agaagttagc aaagaaagcc acctacttct tccgccttaa tttctctaag 120
cacttatcaa gcagaagaat cacagaagaa tacaataaat ggtctagaaa ctgcagtgat 180
gatttactaa aggaagagcg tggttccccg agcaatggcc ccctcctcga gcccgagac 240
ccactgccct aaatgaggac agacatttgt ttttgcactc aaaaaagttg cttgtgtggc 300
cgccatgccc cctaattctg cccccaata aactcgagac cttagcgggc acgactcaa 360
gtggctgaac atggagacca gcagaacagt gccggcggaa tgacatggcc gagaaagaga 420
gaaagangag ggacattttg gacccaagg gaaatttggg ccgggggtggg tngaaaaaaa 480
atttggccct tga                                     493

<210> 460
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(404)
<223> n = A,T,C or G

<400> 460
aggcccagga gaaaatatga acaaaaattg gtgaaggcca tcaccagacc tagcagttgc 60
atcctgttca gcaccacaga cagtccectc gcaaatgcca tcctttcaaa aggtaccata 120
cagaagacag ctactgagat tctgcagatt ttctaaaagt gacatttcta ttacacattt 180
cttcttttca gcaactgtcat atgtaatggg atgcattatt gcgttgtgta cattttgtga 240
tacatcatca atctgtctaca ctacccatt aatccattca ttcaataaaa tacattgtta 300
tgtgccagat actcttagac aagtcactta ccccnttagc ttcatttcct taccctaaac 360
ttgnggatca ttatacatgg ttgataacta aggaaaggat tttg                                     404

<210> 461
<211> 583
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(583)

<223> n = A,T,C or G

<400> 461

gatctccacc	atctgggggn	acacggggaa	ctggnacntt	gggnngggcc	tcaanaactc	60
cttcaacnaa	ccctttccac	tggcccgaac	ttnttgtgca	ttncacaag	cttggcgacg	120
gggtggatgc	cttgcccttg	gatgggaaga	atccttgcaa	gtcaagacta	cattccttgg	180
caccaagggtg	gccaaagccc	gtaccgaact	tggtctggaa	gcttaccttg	ggcaccaaga	240
aagaaatgga	ccctttcttct	tattgaacaa	tttcttcaaa	cttgggccaa	ngggttcact	300
ttcaaacctt	tcttaaaanc	ttggnntncc	aagcccacac	caagtcaagg	gggaagtctt	360
ccttggtatt	ggaaangnac	ttggggtngg	ttttgcttgg	aaaccgggct	tggaaattgg	420
aangggcccg	gggaaaccgc	cacccccacn	ttaccaaac	ggtnggggng	gaaaattggg	480
gcattttacn	aaccgnaaac	aaagtcccc	ttggcattgg	aaattcccc	tnttttttgg	540
ggggaaanaa	agtnccccgg	aacnttgggc	aagaaaccgg	aac		583

<210> 462

<211> 339

<212> DNA

<213> Homo sapiens

<400> 462

agaaaaagtca	gcaaaaactg	cacattatac	agggcgacag	gcatggcagc	agtttctggt	60
gcacatgttg	cctgtctccc	ggtgacagaa	gataacagag	gactaagagc	gcacatatac	120
ctcaagagcc	ctaaggctgc	cacaggagg	taaacaactc	caccagcac	tgtccaggc	180
cggcacaacc	atcaactttt	catgagcggg	cccactggct	gctgtctgga	atgaagaatc	240
ctatgttgct	ttccagcctc	acatttcccc	tttgtgtact	acaaaatagg	agctgtttca	300
ttagaaacat	aaaacaatga	ggaagaagct	gttattgac			339

<210> 463

<211> 662

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(662)

<223> n = A,T,C or G

<400> 463

ngggaaannt	accnnggctt	tatttnanaa	attganccgg	gcgggccttn	ccaacttacg	60
aanatgcttc	aanggagga	gccaaaggaaa	gtggctnttg	cttggggggc	gccccacaac	120
ccttgctccc	ccgatgtcca	cccgtggatc	cacatcccgc	cagccgaaga	cctcccgtgc	180
cttggaacct	tgctgtcttg	ggtcccctgt	tcaaacaccc	ttctttatgg	aaacaccttg	240
cttgcccttg	ggctttcata	agccatttcc	gccctacttc	ccgtggaaaa	gttctaagg	300
gacaagggga	aagaaatggg	gtttgggcgg	aaacgttgga	acccgggggg	ccccaaaggc	360
ccttaattgc	ccttnccacc	cggcccaaan	gtnggccctt	ggaaacattt	cttngggggc	420
cccttngaatt	tttttngggg	gcatttcttt	tcattggaaa	caattttctt	ggnttttatt	480
tcaatcaatt	tcccaaaatn	ggtttgggtt	cggttcccaa	nggcccccaa	nccggaattt	540
gnaattaaan	ggganngggc	ctttcntttt	ntaangggcc	caanggaaag	cntntttggc	600
ccccggnnng	aaccttgttt	tttncccacc	gtaaccnttt	tatttttttt	ccatttttcc	660
tt						662

<210> 464

<211> 459

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(459)
 <223> n = A,T,C or G

```
<400> 464
ataaaggaat actagacatc aaaangttta ttacggngan ggacatatag tcatecttcc 60
agtttaagat ctaagagcaa tactcaaaca gaaatcaaat aaatgtctat gacaattaag 120
gcaaacatac tcatttgtct acaagcaaag agcatttttg aaagaacact cccttggtca 180
aattttggtg aactgggtgt ggagacaaaa gtgactccat ctgggatgct aatctgccat 240
gttgacttct gattaacccc agtctgggga atgcctctaa gatttctatt tttatttatg 300
tatactgtct gtaaaccctg ttcttaggcc aagacaccct tgatgttate aaatcctgcc 360
cttaggctat gacacacata acattctttc cttttctctg anaggggggc ttcaattggc 420
cttatacatt ccttntaaag cacatatacc ctttctctg 459
```

<210> 465
 <211> 476
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(476)
 <223> n = A,T,C or G

```
<400> 465
gctataagga tgtgtttact gcagagacaa acagtaagaa agtatacaaa attaaagaaa 60
aatgacagtt atctttacct atcacttcaa gttatttctg tcaagaggta atgacagtta 120
ctgaaaaaag aagtctctgga cctttttcat ttgcaaactt atttttacaa atggcttctt 180
ttcacataaa ggatttgtga tggtttaatt ttgtgtgtca acctggctgg gccatagtgc 240
ccagatattg agtatatcat tgttctggaa gtttctatga aggtgatttt tggatgaaat 300
tatttaaatt ggtggacttt gagtaaagca gattatcctc catgatgtgg acagacctcc 360
cccatcantt gaaggaccgg gccaaaatga aaactgancc ctttgaggaa naaattctcc 420
aancanatgg cctttggtct gtttctctgg agaactgnga ctaatacagg ttcttc 476
```

<210> 466
 <211> 218
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(218)
 <223> n = A,T,C or G

```
<400> 466
ggcctcttgg gggaacttcc ctgcttttaa gtccanaacc tggagantga ccaagaanca 60
cctcanaagg ccagccaccc tcaanggagc aacccattgg ncccagactt ntgcacgga 120
tgccagaaaa actttnaatt ggaaggaagg cttgaaggtc aacaatgggg naaanaagtt 180
ttttaaaaaa ataaaaaang gggagcctaa tattgtgg 218
```

<210> 467
 <211> 82
 <212> DNA
 <213> Homo sapiens

```
<400> 467
cccgtgcatg gtggcttgtg cctatggacc cagctgctca agaggctgag gtgggaggac 60
tgcttgagcc caagaagtcc aa 82
```

<210> 468
 <211> 90
 <212> DNA
 <213> Homo sapiens

```

<220>
<221> misc_feature
<222> (1)...(90)
<223> n = A,T,C or G

<400> 468
cacttttggg agggccaaac aaagaangnn ttggttngac cccaggagtt tgaaaccaga 60
actggacaac atagtaaacc tcatccctac                                     90

<210> 469
<211> 262
<212> DNA
<213> Homo sapiens

<400> 469
ataataagat ccttgaaagc aggcctgaac caccattgta caataaacat ttcctgcatg 60
aataaattaa tgaaagaatg aataataaaa caagatctct tcccagagaa agtttaaagc 120
ctctgaagac agcagacatc catttgaata accacataac aaagtgaatc atttatattg 180
caaaagacag agaaagcatt atacttgagg gcagaggagg gagaaagcat attactcaaa 240
taaagatgtg atactgaatt ag                                             262

<210> 470
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(265)
<223> n = A,T,C or G

<400> 470
cngggnttgn naaatnngcc cgtgaancnc anathnaancn cggcccacan aancaatggg 60
aggaagcata accagagtga atcgattcct tgatcctgct ctgccaaaaa attaaagagg 120
agcactcctg ggggtttttaa cccagataag acttcagcca cagccgtatt tcccatgttc 180
ctggatctct tgttctggct cttattctgc ggataaaaat tggaatagag taagcagtgc 240
gagttctgcc ggttcatctg gctttt                                         265

<210> 471
<211> 268
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(268)
<223> n = A,T,C or G

<400> 471
gacgtctggg gagctcctgc attaatgcag aaccngagga aggaaagctn gaaaaaaaaat 60
cgtcaaattg tgcgggattc ttgtaagcac agagaactat gaagacctga caaggagggt 120
atctttttct ttcattgctg tocaacaaga gagcacattg ttagtgtgct tgaattccaa 180
caaaagaagg catagaatga atcttggttg ttccctttta cttgctaaat atgtactgaa 240
tgaataaatg gtgcattata catctatt                                         268

<210> 472
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(456)

```

<223> n = A,T,C or G

```
<400> 472
cctgtctggg acctgcctgc agatttcagc cacttctgga tacacctggg acagggctga 60
tacctccact gtcttacact gtgaagagcg ggacaaaccg atgagtgaca gactactgaa 120
tcaatccctt ttaagctgc ttaagttcca gatttagttt taaagagaaa aaaaattgtc 180
atctttttta aaagactgca tcttctttct cctaatagct aatattttatt gagcattcat 240
gacacgtata cactatttta aactgccact gtgggttgat gtcactcccc cattttataa 300
acatggagac tttggtaact ttctaacagt acttgccag tcagccaggc ctgtgctctt 360
cagagggcga atggggncct tatactacca cctaaaggcn ggtnggatga ccacccctat 420
aactttgttt ttaattnaag acaaacatgt aattag 456
```

<210> 473

<211> 170

<212> DNA

<213> Homo sapiens

```
<400> 473
atctgccgcc tcgaagagaa acattttcag aaccaaatac agaattgaca aagagaagac 60
ggccttgag atagagccca gctttttcat tgccgaggtg gaaaactgag gccagatgcc 120
gtgggacaga tgcagagaat gataaagtca ccaatgacg gtgattattg 170
```

<210> 474

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(467)

<223> n = A,T,C or G

```
<400> 474
gtctttaacg ttttcgggga cctctggaaa acctacaggc gcggccctgg gaagctctgg 60
gtccctagga ggggaggtga ctccgcggcg tcccggaat gatcctcgcg gagctcgca 120
ggtactagcg ccccccagcg tctggattga gaaacgcacc ctgcgagggg ggagaaccag 180
cccagcccca aagtgaggtg gcagaaaaac gaactcacgg ccaaaggact ggctgaggtt 240
aaccagaatt gtgtaaatgt gttttgtctt gctgggctgc cccctctcct ggtcctttgg 300
ctagggagaa caggattttg tttgggattt ttcttttgct ttttctgact gtgcctggtg 360
gcgttcgcgg gnttgccant tttttaaggt ccaaccctgg cttgtttttg ggnaaaaaac 420
naaacnnaaa cccccaanga attggncttt ngggtcattt ccttggg 467
```

<210> 475

<211> 440

<212> DNA

<213> Homo sapiens

```
<400> 475
cgagctgaaa ttaccataa tccggctgat gttagactg caccatcgt tttttccatt 60
catctatgag taaaggagaa aaaaagaacg taaagacaaa atgcagctaa tactgaccaa 120
gacttacagg aacggtaaag ccctgtgatg aatgtcctgt tttttcctca ttcaaaagat 180
agagaaacag aagctcagaa tcttgcccaa aagcccagtt gttaaaggat tctcactctg 240
ttgcccaggc tggagtgcag tggccaatt tcagctcact gcagcctctt cagcagaatc 300
ttgacctctt ctgagattca gttttttcat ctgtagaaat ggggacctaa ggtacagagt 360
ttcttctggg agaattaagt gaaactgcat gcaacaccat gttaggcaca ctagaagtga 420
tcaataaata ctacttgagt 440
```

<210> 476

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(438)
 <223> n = A,T,C or G

```
<400> 476
gcattccattc accangcattc ctcagccccct gctatggcct ggctctcttg ggtcagcttt 60
gttccctgcc tgccttctgc tgaggaatca gggcagtggc gggggcggcc ccaccagccc 120
gcagtcactg gccagacac agcgtctggac acaacacccc ccgcttccca cagctgctga 180
ttcccgagga ctgccggacg cacagctcca taacaagatt ttgggaaaca aagtcaagag 240
tgaggggtgtc attctgaaag gtgaacgggtg ctcacagagg aggagcctgt gtctgggggtc 300
gtgtgcatcc tactctgctc acagtggagg catctttgga agaagtgact tattttctgg 360
tacagagacc attccctccc ccacaccctc tcctaagact ttgtattgaa acaaagtaaa 420
tcttacagaa attgcacc                                     438
```

<210> 477
 <211> 193
 <212> DNA
 <213> Homo sapiens

```
<400> 477
ttataatcat catgactgca actcaaagtc cttaccaaga ccctctttga atgagaaagc 60
tctgccatgc cttccctgtc atcatccact cttgcagcac agctggccct ctgtatctgc 120
gggttcacac ccgatggatt caactgaccg tggatcagaa ataccagaa aaaaaattat 180
atctctactg aac                                     193
```

<210> 478
 <211> 345
 <212> DNA
 <213> Homo sapiens

```
<400> 478
ggtcaagttt caggtgaaat cactagacaa gaaatatcat tcagactgcc tagggctgtg 60
ttctgaagct acagaggtag cttgatgtca ggaagaatag caatggcaga aaatgtttca 120
tcttgcatgc cagcacagac caatggcaat ggatgtctga atcactgggt taacaaggaa 180
aagaatgctg tgcttaagta gcaatgtctg ctctgagcat ggcaggagaa attattggca 240
cctctgtcag atatttgata tctatttctt aaatagaata catacatatt ctaagaacaa 300
gaaaagcata aacaaattaa taaattactt tctgacttct aaacc                                     345
```

<210> 479
 <211> 240
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(240)
 <223> n = A,T,C or G

```
<400> 479
ctttgtgctg catctggcct cctgctctgt nttactctgn cgctactnca cctgcatgtn 60
acctactgnn ggatccgntt ganaacaccn taatttnaga anacagagtt ttgaacatca 120
ctgaccttta ccacgggtat aaccnactct ttacctccca aggctcgctc atttgtaatt 180
attttttctc attgtctctc aaatttancc aactggnatg aataaactgg aagtaaacag 240
```

<210> 480
 <211> 504
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(504)

<223> n = A,T,C or G

```
<400> 480
aggaaaccag ntgcacagag ctgtgatttg cccctgngatt tgccttgggc cttncacaaa 60
ttctagaaac ccatgacttg acatcattgc gcggccacct gactcccagc tggcttcagc 120
ctctnctgtt natctccctc tactctnact ctgctgctac caagtcagac ttnttttcan 180
aatgccctgt atcattttta tgactggagt gtgactttgt tctcagcaca atgagtaaca 240
aagccaaaac actggagaat acgtttacgt attnaagaaa acctcagaca aggaagaatg 300
ctttcataat acagnacatt anaatcagac gaagcctnga agggcanaan naccgatcct 360
gaaaaatcan agtgtntctac agaagaagac gacagcgttt gagcacattt gttgaagcag 420
cctcctntcc cttatgggnc gataatccca caccgnttta ccatgctctc tggccttccc 480
agaacatcaa taaaaactgc atcc 504
```

<210> 481

<211> 274

<212> DNA

<213> Homo sapiens

```
<400> 481
taactggcag aacccacacc ttcaaaacag agactttggc tgcattctggc ctctgctct 60
gtcttctctc cactctctcc acctccatgt cactactga gggatcgctt gagaacacca 120
gaatttcaga agacagagtt tgaacatcac tgacctttac catcggtata accaactctt 180
tacctcccaa ggctcgtcca tttgtactta tttttctca tgtctctcaa atttagccaa 240
ctggtatgaa taaactggaa gtaaacagtt ctac 274
```

<210> 482

<211> 299

<212> DNA

<213> Homo sapiens

```
<400> 482
gtaatcttct catctgtgag gatatggaac cccaacctct tcctggacac ctgatgatct 60
gcttgtgatg ggctcagagt cttgaaacac agaactatga gctcatctca tatcccaatc 120
cagcagcatg gaaacctcag actgtaaggc ccaagactgg cacttgttct ctcccaactc 180
ttttctttct ctctctctct tcttttatcc cttaattcct tcttgcttcc ttccaagatt 240
tatactatta ccttttaggc aaaacatcct gaacatgtaa aataaactaa ttaaaatcg 299
```

<210> 483

<211> 395

<212> DNA

<213> Homo sapiens

```
<400> 483
gaggagtctg agaagacctt aaacagaaga gaaaaaggcg aagaagatgc ttaaatatat 60
acattattca agtaattaac tgaagccttg agcgtagaga tgatctccga aaggacgcca 120
cagaggggag aaggctggac ttgcagaaca cattgctgtt gaagaagtga caggaagatt 180
cagagctcac aaagaagaca ggtcagacgt ggagaggcga gccagcagaa caccctcaga 240
aatactgctc tcctgttcgg atggccagtt ttcataatctt agaataatctt tcaaaaagca 300
cttcaatata atgaagttcc ctcagttata acaaggccat ttttcatagc tatttgtgta 360
gatagtccaa aagtgtggtg tgttatcaga aagggg 395
```

<210> 484

<211> 440

<212> DNA

<213> Homo sapiens

```
<400> 484
gaagaaagca ttgctctgga aagagggaag ttcattcact catccaagaa gagcaaagg 60
agatgccctg cggctatgga ggagggccgt ccaagctcac agttcctaga agtttctgct 120
accatttcac atttagcacc agaatccagc cttggcagat tcaggggaagg aagccaagga 180
cacagctggt ggtgaagaca gaaactcctg tgtgacaact gccccctagg acacagttta 240
gggtcaatta acatttcctg aacaacttgc aaatggaaaag agccatcccc aatgaagact 300
gaaaaatgag aggtcaact catctattat gacttgaacc caagtctatc tgtgtttgca 360
```

```

aaggtgtgac tggtgcacct agacctccac ccagaaacat gttttggggc tgacatttta 420
atagaaacat agagaggaaa                                     440

```

```

<210> 485
<211> 199
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(199)
<223> n = A,T,C or G

```

```

<400> 485
tcccgtctga actgttttgt cttggccctg tttccaccca ngaagccgca gatcctgact 60
ccttggtgtt gtttctctgc ccagatgaga aacacccatc acctctgact ttccaaggag 120
caaatcacgc tccgtgccgg gctcccccaa caacaccact ccctcttccc ttgcgatctc 180
caggntcctt ttgacactt                                     199

```

```

<210> 486
<211> 426
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = A,T,C or G

```

```

<400> 486
ctcncngctt taaatcctag ntggngnagc gggctgntna cctanaggct gtnntaggnn 60
cntcnnaacc acnccnagtt gcttcnagcc tccttngcgc cagcacatat ctgcancctt 120
gggccaccga tcctaagcca aagcctcccc aacctctggg ctcagaagca ggtgtaatcc 180
caactccagc aggggaattcc agaggtgaag gtcacgggag catctttaat cttcggttcc 240
cagtagagaa gatacccaaa gagcagggag caggagccag ctccaggcta tacatttgtt 300
tattcatcaa tcattcattt atgcattaat cattcattcc cccaccccaa aaaaaaang 360
gccagnngg ccaattcagn tngnacttaa ccaggctgaa nttgntnaaa ngggggggac 420
cccaa                                             426

```

```

<210> 487
<211> 533
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(533)
<223> n = A,T,C or G

```

```

<400> 487
tttttttccc ccccccccg nggggggggn gnnnnncnng gggccccccc tcttttttgg 60
nggttcataa aggggtggana cncctnttgg gcgcctttt tggggggggt tnaaaaaaga 120
naaaatcctc ttentggggc ccttaaaanc ccctccctt ggaagataag gcnnnggggn 180
aacataacan ggggcccggg gcccccccca ctttatttgt cccaagcct taaaattttt 240
ttttnggtaa ttttttttna aagnaaccaa anaangggg ggggggtttt caccatgg 300
gtttgggncc caaanaactn gggggtcctt ttggaaact cccctgggga nccctcaagg 360
gngggaaccc caactttggc ccttaaagcc cttncccaa aaaggtggct tggggggaat 420
tggcaagggt ggttggaag tcaaccaca cccttgacc acaagggtact aaataatttt 480
ggncttttaa taaataagtn aaaaactggg atcatatgaa aatttaatat aag          533

```

```

<210> 488
<211> 473
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(473)

<223> n = A,T,C or G

<400> 488

```
agggaattac aatatnnctt tcnggnaagt cggggccaga gaaaagggna cattgcctgg 60
gcttgccctt ggaaanganc cagggcaggg gaaaagcttc ttgggangga aaacccttgc 120
cgtcaagnaa ggcttgggan ggaaacttga aagaaaagctt gttgttctt ccgaagaaag 180
cttgaagctn accggggggcc aaagcttgcc aagtaagnaa tatcccttg ggatccaggg 240
gggggaaggg aaccacccat ttgttcggga ggaaagaata aggggaaacc aagcctttta 300
aacttgggga ttgaaaccaa gaaaaaatcc ttgcccnaaa ggggaagaag ggaaagcttg 360
aagcttgggg aaccgccttg ggaaccgaag aagttttgcc attttaagtt cccaagattt 420
accggggagg gnccggggcc cccgggctta nncaagtggg acccccaccg gtt 473
```

<210> 489

<211> 512

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(512)

<223> n = A,T,C or G

<400> 489

```
agcttaccct tggcntttta agnttcccct aacctntatn ggnggaaccc acctttattg 60
gantnagta gantctcctt tgttgttntt tgaaaacccc anaaantttg gnaaaacnct 120
tttttctttt ttcctttggc ttttaaactt tttggcccc cggggggttt tcccaanana 180
acagnnggc tttcaanccc cgaanggnaa tggnaatccn naagtttcca acaccacntt 240
gacttttccc angggaacnt caaaagcccc agaagaang ggcccaangg gacccaagct 300
tcgaggggac accacaagcc caggggggctt cttttccttc cgaaaacccc caaggggact 360
tgggactttg caagggggct tggggacaag aaggttgggg ggttgggggg gggaaaaagc 420
aaattgcctt tgtcaaacc acgttggggg ggaagcccca ctcccatttc ccaaggttgc 480
attaaaagtt tgaaggggaa acacctcctt gc 512
```

<210> 490

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(518)

<223> n = A,T,C or G

<400> 490

```
ttcntgaaat tgangaaatg ggccccttcn gggccttcgc tngnangggg gttnttttct 60
tgtntgcttt cgggggccct ntggngggng gggtntttgc caanncnttt ttggaaaagg 120
gccnaancc ccaaccaag ggggaaccn aanacgttt tccagnggc nttnngaata 180
aancttgaaa ggggaagttt gggaaaacac acttgggnan ggaacaaagg gcttcgggga 240
aagcntcaat cagccccgca ttcaaaacaa gaagtggaaa cttttcttgc caaagaatgc 300
cggggaagtt gggtttttca agaagacatt ttcaagaaaa agtggaaagg ggaagaagac 360
tcaaaggatt tgactcatga agggaccttg aaaggggtg ggacatccca aggaaaaggg 420
gcctcttgaa aatttcccac accccaagcc gccttgttgc ttgagggact ccctccattg 480
ttggggccca ggggtggccac caaataaaaa aatcctac 518
```

<210> 491

<211> 344

<212> DNA

<213> Homo sapiens

```

<400> 491
acccatgcag gagacctctc caggtacaca ttttctctgc tactgaatgg cttagactgg 60
gatttgcaag gaactacgaa gtccaagacc tttgcctttc ttttagaaga aggcaccagc 120
tggttctcca atgttgaagg tcttctccag agatgaactc tgaaagccac atgttgagat 180
ggccccatta caggatggag agcacctgaa cccccaagtt atggactaga agaagacagt 240
tgccctggaa aatcatctga cccacattgg actttatgtg agggggaaat aaacctttat 300
tatgttaagc tacacaataa taaataacaa caataattgt gttt 344

```

```

<210> 492
<211> 381
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(381)
<223> n = A,T,C or G

```

```

<400> 492
tctcctgtc cttttnagtn cnccaaaact ngngggaaaa nctttnaaaa atatttctcc 60
cngggnaaaa tngngnggaa aagtccttgg cacntgnaat gggccccctt tgtanggaaa 120
aaannaaccc caggggttcn tgggagttcc ncgaaccgtg gggnncttgg angggcncca 180
angggaagaa aaaaccnccg tggaaccctt taattaaagt tttngggggg tggaagaaga 240
agaaaaataa aaaccttaaa gtattgttaa agcttcttgt catttcaaag gggtaaatac 300
caagttgtgg gaaagggcaa gaaaaaaaat ggaccactc tccccttgga tatccattaa 360
aaaggatgtc ccaaaatcct c 381

```

```

<210> 493
<211> 639
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(639)
<223> n = A,T,C or G

```

```

<400> 493
tctgggggag cctaccttgc ttttaacttc tnaacttaaa ggtanaacaa cncctntttt 60
tnccntgaaa aacnanggcn tttttngaca ttaaagnenc ttttaaggag gtatgcccaa 120
aaaaaggnaa ncccaacccc ttnngccaaa aaatnaaacn tcaaagangg ggcnggcnaa 180
antcngggaa ncntttnccc caggggggaa gaagaatgaa cnccttttta ntggggcttt 240
ncagaaaaag gtgnaaaggc ccacttggct ttttggttg gnccttgga atcaaaggaa 300
ccnagaaaaa ggaaaattan ttggataccc aatgggggaa ccttggaaga atgccatttt 360
ggtttgggga agggtttttc ttgtcttcaa acttgggtct cttgacaaag cctcttgact 420
tggaatggta ttcccggtgc ttgggccact tatgccaaag aaggcatcat taaatttaag 480
acggggactt ggcttgcacc tttccttgaa gaaagccaag actttccact tggatgggaa 540
agaagcttga aaaaaccacc aaagcccagg gaagtggcaa gaaccacttg gnccttaatt 600
tgcttncttg aagaattncc attattaata aaaagaaaa 639

```

```

<210> 494
<211> 342
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(342)
<223> n = A,T,C or G

```

```

<400> 494
ntagcctcag gatggaggtg gctgccagaa agaccaagta atgatcagaa gcatggaact 60
ttcagaccta ttctcccaa cttctggaga gggngagtgc ctggagactg agttaataat 120

```

```

tgatcacgtc tacatgatga aacctctaag tgacaaggat cagagagctt ccaagttggt 180
gaatacatcc atgtgcaggg aggggtggcct accctaacc catcggacag gagcaccat 240
gttcaggaat cttctggacc tcaccttatg tattaatctc tctttatctg gctgttcac 300
tatattcttc atagtatcct ttataataaa caagcaaattg tc 342

```

```

<210> 495
<211> 613
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(613)
<223> n = A,T,C or G

```

```

<400> 495
ntcntgaaac tggagttcgg ggtngtncna ttaattgggg aaatgggann ggggaaaaat 60
aaaaatggaa ctgggaatgg gngccgcttn ctttttttaa agntttcaaa aaatgaccat 120
ttnccaaaaa caaagcccgg gggccttgga nccccgggc cttggttttt aaaaaatttt 180
aacaacanc aagttccttg ggggaaaggg ngggggaacc cacccaacct tttctttga 240
aataaacttg ggggaagaat gaaaaacaag ggaaagcttc ttattgaaca ccactttgga 300
atcggaataa ttgaacaaga acaccgggaa aaaatcaacg aacttcaagc ccccttccaa 360
gccaccttct tgcttggtt gccccggccg aatcacagc ccgggaatgg caagcttgaa 420
aaagaattcc cttgggggcc cttgggntcc caaacccgcc cacttggtgg actcttgaag 480
gccctcttgc atttggtggg tggggtcttg ccttggtgat aatttttggg tcattggggc 540
ttgggtcttg gtccgggntt ncccatnttg gtcttgggcc aaggctctat ggtnggcttn 600
aaatcccttt ggc 613

```

```

<210> 496
<211> 611
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(611)
<223> n = A,T,C or G

```

```

<400> 496
tcannaaact ggagggacgg gncacgncaa neganncccc tggggggggct ntttaaaaac 60
tttttcaggg agcccttatg aaacaaaacc ccgggggtgn gttangnta ctngggctng 120
ngtccacccc nactgggttc tttttttct tnttggggcc ccanaaatgg aagggggatt 180
gccccaccaa ngggaccccc tttccaacca gaaccnngg gacttattat taaacctnt 240
tttttgcgcc cnaccattga atgggacttt gnaacccgca aaagcttgaa ggnccattcg 300
gataccgccc taaccctta cccccgggga acaatcttct attgggaaaa acaagccggg 360
ntttttttcc gactttttac aaagccttcc cggtngggct tgggaaggcc attcttaagc 420
ttggcaagaa aaacaagcaa gggaaaggat gctttccggg ggaagccctt gatgccttga 480
aaaatgaaaa aaattantct taaaggctat tcaaatatca agccaagcca tttttttcca 540
nggagaaaang gaaaaaaggc cgaanaaaaa aacaaatttt ccaanaatgg ggttgncttc 600
cttccaaccc a 611

```

```

<210> 497
<211> 436
<212> DNA
<213> Homo sapiens

```

```

<400> 497
gaacccaaaa gaatgcccag aatgccaaga acagtgaaca gccatatgca aacgggcaat 60
actgatgtta gctttaaaag taaggagttc agagtgtct gtgctgaaca tctttcgggtg 120
taattaagcc ttcataattc tgaggaggag ctactaagac accctaccaa gtccctgggt 180
gtgcctggag gttagaaaac gaaccacata gtccgtgaat gacagaaaaa aattgaaaac 240
tgtattttta aaatgatttc tcaacaagac cagccggcca ctcaaccact tcagtacctc 300
gtttctggat gaagaccctg agcaggggat ttgcactaga aaccgccttg cagaagttgt 360

```

catcattgtt gatgggcagc aggtctccgt gcacatctgc atagccaata gttacatcac 420
tggttgagat atggtg 436

<210> 498
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(445)
<223> n = A,T,C or G

<400> 498
gttctgattg atnccnaggc tnttgaagta naccacacca tttaagccag agaggggagat 60
tnaagtggan atngcngcca cctattatnc cnngatatat ttggtatacn aacnaagaaa 120
ctnaatnatn aatngacna tnaattttta gggaaaagggn aaaagnaaac nccaggggggc 180
cggggtggcaa tttgntttcc nttcttagtc ccttcaaaaa agtagaaaat agtgganatg 240
aagcaggggt gatatgaatt tggcttgctt ccccccccaa tcttaccttt gcttgnaggt 300
nccataatcc ccacatgtgg ggggaggaag cctttaggag gtgatttaat catgggggtg 360
gtaccgcgc gctgtctcat gataatgagt gagttctcca agaattaacg cttttatagg 420
aacctttttc cccttttact tggcc 445

<210> 499
<211> 295
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(295)
<223> n = A,T,C or G

<400> 499
gttcttccca ttctggagta anaggatgtt gcnttnnaag ggtngtggga agggnnncnan 60
aancttnccn ggantaangg cctaagggng gcttngacc aagggaccct ccaagtcaag 120
gttcttttta catcacatat tgggaccccc aacagctggg cttcttcaag gtgagacaag 180
acctgtgggt tgaatccacc atttaatggc tgngtgatca tgtgcaactt actcaacctc 240
tcagagcctc aagtttcttc attaataaag tggagataat aatagaacac acctt 295

<210> 500
<211> 181
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(181)
<223> n = A,T,C or G

<400> 500
ggtttccctgg agttnngatt ttgctgactg cacactcacg gtgctatcca acatgancat 60
cttccctgca gtttctacaa tttggcagtt ggatccacct gaatcctttg gcaaggccaa 120
acgtggtgtc tnangaagaa cacattgaag tctctgtttt ttaaatatca ttatgacctt 180
g 181

<210> 501
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (1)...(469)
<223> n = A,T,C or G

<400> 501
cagaaactga gatgaaagct ggggttggag atggagtttg tcattttntg ancttaaann 60
nactngcntn ataacaaaag ccagcncacc ccanacngga gaatggaaag ggaggaaaaa 120
tttggtccc gtcttttaca agggntgntg agttacttca ccaatcctgg aatgctgac 180
tttggggaac ttgttaaaca gtctttccac cccctttgtt cgaagctttt ggtgaagtgt 240
ttcanaaact gacgaaatgc aggatcgttt tccttacaca cacaaatgcc atggcaacag 300
caacttcgtg acaacagcaa agaaagccag actgggaatt tgccaacca gagtggtgac 360
catctgtgag ggcccaaacc cttcaaagtgt tgccccgttc taaagtgctt atcttaaccc 420
angcttttgt acatagcaaa agcgacattt aaagtgacat aagaatggg 469

<210> 502
<211> 400
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(400)
<223> n = A,T,C or G

<400> 502
tttttttcca attggggggg gaccaaattt tngggggtna aattcccaaa tangggtggc 60
cntttttttg ccttgggaac gaccattttg ggggggaaan ttaaaacccc ccccttnttt 120
ggcnnenttg tntgnaaaag naaattggcc ccccggggcc ctttttttnc ccccttgggc 180
caaaggggaa ttttttaaac cctttaaaaa attgggtntt ggccctgggg gaacctttgg 240
cccaagaatg ggccccaaaa agnggggnacc cccaataact nttanccccc tntttggcct 300
tggttcaagc nccccaaaag naaaaanaaga ccctggngtc nntttggggg aggtggggng 360
gaaacccaaa atcccatttn gggggntttt ttttaaacct 400

<210> 503
<211> 185
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(185)
<223> n = A,T,C or G

<400> 503
ttgggggggg tttcccccaa aaaaaattt tccgccttt tctttcagtt ggannnggtgg 60
ggagccccna atggaactta aaaattttctt gttggggggt tggggaggaa gaataaaaaa 120
tgcccccttt nttngggggc cttggacccc ttattttggc cccttgccca ttgcttgggc 180
ccttg 185